



[illegible]

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A Daily Journal

FOR

1865.

Containing a Blank Space for Every Day,

RATES OF POSTAGE, CASH ACCOUNT, STAMP DUTIES, &C.

W.H.DALL.



Published Annually
FOR THE TRADE.
1865.

A TABLE OF STAMP DUTIES,

As Amended March 3, 1863.

By W.H. DALL.

AGREEMENT, CONTRACT, or APPRAISE- MENT, not otherwise specified, each sheet.....	5
BANK CHECK, DRAFT, or ORDER FOR MONEY, payable at sight or on demand, over \$20.....	2
BILL OF SALE OF VESSEL, consideration not over \$500.....	25
Over \$500, not over \$1,000...	50
For every additional \$1,000, or part thereof, 50 cents more.	
BILL OF LADING, or Receipt for any goods for foreign export, (ex- cept to British North Amer- ica,).....	10
BOND for the performance of the duties of office, or of indemnity for the payment of money.....	50
BONDS, other than in legal pro- ceedings.....	25
CERTIFICATE OF STOCK, in incorporated company.....	25
CERTIFICATE OF PROFITS, in incorpo- rated company, if for \$10, not over \$50.....	10
Exceeding \$50.....	25
CERTIFICATE OF DAMAGE, and all Cer- tificates issued by any port warden or marine surveyor	25
CERTIFICATE OF DEPOSIT, for \$100 or less.....	2
Over \$100.....	5
(Certificate of measurement or weight of animals, wood, coal, or other articles, Cer- tificate of Record of Deed, or acknowledgment thereof, by attesting witness, require no stamp.)	
CERTIFICATE, of any description not specified above.....	5
CHARTER PARTY, of vessel or steamer not over 150 tons.....	1 00
Over 150, not over 300 tons...	3 00
Over 300, not over 600 tons...	5 00
Over 600 tons.....	10 00
CONTRACT, Broker's note, or memo- randum of sale of property, (except coin,) issued by Bro- kers.....	10

CONTRACT, (continued.)

For sale of Coin or loan on
same, (of over 3 days, or re-
newal of shorter loan,) or of
money or currency secured
by pledge or deposit of gold
or silver coin, shall be in writ-
ing, and have stamps equal
in amount to 1-2 per cent.,
and interest at 6 per cent.
on amount so loaned.

DEED, or CONVEYANCE OF REAL ESTATE.

Where the value is over \$100,
not over \$500..... 50
Over \$500, not over \$1,000.. 1 00
Over 1,000, not over 2,500.. 2 00
Over 2,500, not over 5,000.. 5 00
Over 5,000, not over 10,000.. 10 00
Over 10,000, not over 20,000.. 20 00
For every additional \$10,000,
or part thereof, \$20 more.

ENTRY OF GOODS, at any custom house,
for consumption or ware-
housing, value not over \$100, 25
Over \$100, not over \$500..... 50
Over 500 1 00

FOREIGN BILL OF EXCHANGE, or LET- TERS OF CREDIT.

If in sets of three or more, each
bill of each set, not over \$150 3
Over \$150, not over \$250... 5
Over 250, not over 500.... 10
Over 500, not over 1,000.... 15
Over 1,000, not over 1,500... 20
Over 1,500, not over 2,250... 30
Over 2,250, not over 3,500... 50
Over 3,500, not over 5,000... 70
Over 5,000, not over 7,500... 1 00
For every additional \$2,500, or
part thereof, 30 cents more.

INSURANCE, (Marine, Inland, and Fire).

Each policy or renewal, (or as-
signment of same,) on which
premium is \$10 or less.... 10
Over \$10..... 25

INSURANCE (Life) POLICY, (or assign-
ment of do.) not over \$1,000, 25
Over \$1,000, not over \$5,000.. 50
Over 5,000..... 1 00

LEASE, (or assignment of same,) of real
estate, not over 3 years.... 50
Over 3 years..... 1 00

LOTTERY TICKETS.—Each ticket, (whole
or fractional,) retail price of
which is \$1 or less..... 50
Exceeding \$1, for every dollar
or part thereof, 50 cents
more.

MANIFEST, of vessel's cargo for foreign
port, (except to British North
America,) if registered ton-
nage is not over 300 tons... 1 00
Over 300, not over 600 tons... 3 00
Over 600 tons..... 5 00

MORTGAGE, or PERSONAL BOND for pay-
ment of any definite sum of
money, upon every \$200, or
fractional part thereof.... 10

PASSAGE TICKET, to foreign port, (ex-
cept British North America,)
costing \$30 or less..... 50
Over \$30..... 1 00

POWER OF ATTORNEY, to sell or trans-
fer any scrip, or certificate of
profits of any corporation or
association, not exceeding
\$50 10

To sell or transfer any stock,
bond, or scrip, or for the col-
lection of interest or divi-
dends thereon, (except as
above,)..... 25
To collect rents..... 25

To vote by proxy for officers of
any corporation or society,
(except religious, charitable,
literary societies, or public
cemeteries,)..... 10
To sell or rent real estate, or to
perform any other act not
herein mentioned..... 1 00

PROBATE OF WILL, or Letters of Ad-
ministration, value of estate
not over \$2,500..... 50

Over \$2,500, not over \$5,000 1 00
Over 5,000, not over 20,000 2 00
Over 20,000, not over 50,000 5 00
Over 50,000, not over 100,000 10 00
Over 100,000, not over 150,000 20 00
For every additional \$50,000,
or part thereof, \$10 more.

PROTEST, of note, check, draft,
&c. 25

TABLE OF STAMP DUTIES, Continued.

TELEGRAPHIC DISPATCH, when charge
for first ten words is 20 cents
or less..... 1
When over 20 cents..... 3

WAREHOUSE RECEIPT, for property
stored..... 25

WITHDRAWAL from bonded ware-
house..... 50

WRITS, or other original process, for
beginning suits, (except be-
fore a Justice of the Peace,
or commenced by the United
States or any State,)..... 50

PROPRIETARY, Medicines, Perfumery,
&c., each package retailed at not over
25 cents, 1 cent; over 25 and not over
50 cents, 2 cents; over 50 and not over
75 cents, 3 cents; over 75 cents and
not over \$1.00, 4 cents. Every addi-
tional 50 cents, or part thereof, 2 cents
more.

PLAYING CARDS, price not over 18
cents each pack, 1 cent; over 18 and
not over 25 cents, 2 cents; over 25 and
not over 30 cents, 3 cents; over 30
and not over 35 cents, 4 cents; over
35 cents, 5 cents.

The indiscriminate use of all
kinds of stamps (except postage or
proprietary) is permitted, care being
taken to affix a stamp or stamps of
the proper amount.

Documents made in any foreign
country, to be used in the United
States, shall pay the same duty as
when made here. The party to whom
the same is issued, or by whom it is
used, shall affix thereon the proper
stamp, before using.

No deed, or mortgage of real estate,
shall be required to pay a stamp duty
of over \$1,000 in any event.

Powers of Attorney, or other papers
relating to applications for bounties,
arrears of pay, or pensions, require
no stamp; neither do warrants of at-
torney accompanying a bond or note
when such bond or note shall be
stamped; and whenever any bond or
note shall be secured by mortgage,
but one stamp duty is required, pro-
vided the stamp duty placed thereon
is the highest rate required for said
instrument, or either of them.

No document signed or issued prior
to June 1st, 1863, without being
stamped, shall be invalid for that rea-
son; but it shall not be admitted or
used in any court until it shall have
been stamped, and the initials of the
person using, and the date when it is
used, placed thereon.

A TABLE OF STAMP DUTIES

ON

Demand and Time Notes,

INLAND BILLS OF EXCHANGE, ETC.

AMOUNT.	DEMAND, or 30 DAYS.	60 DAYS.	90 DAYS.	4 MONTHS.	6 MONTHS.	OVER 6 MONTHS.
\$20 to \$200	\$0 01	\$0 02	\$0 03	\$0 04	\$0 06	\$0 10
200 to 400	0 02	0 04	0 06	0 08	0 12	0 20
400 to 600	0 03	0 06	0 09	0 12	0 18	0 30
600 to 800	0 04	0 08	0 12	0 16	0 24	0 40
800 to 1,000	0 05	0 10	0 15	0 20	0 30	0 50
1,000 to 1,200	0 06	0 12	0 18	0 24	0 36	0 60
1,200 to 1,400	0 07	0 14	0 21	0 28	0 42	0 70
1,400 to 1,600	0 08	0 16	0 24	0 32	0 48	0 80
1,600 to 1,800	0 09	0 18	0 27	0 36	0 54	0 90
1,800 to 2,000	0 10	0 20	0 30	0 40	0 60	1 00
2,000 to 2,200	0 11	0 22	0 33	0 44	0 66	1 10
2,200 to 2,400	0 12	0 24	0 36	0 48	0 72	1 20
2,400 to 2,600	0 13	0 26	0 39	0 52	0 78	1 30
2,600 to 2,800	0 14	0 28	0 42	0 56	0 84	1 40
2,800 to 3,000	0 15	0 30	0 45	0 60	0 90	1 50
3,000 to 3,200	0 16	0 32	0 48	0 64	0 96	1 60
3,200 to 3,400	0 17	0 34	0 51	0 68	1 02	1 70
3,400 to 3,600	0 18	0 36	0 54	0 72	1 08	1 80
3,600 to 3,800	0 19	0 38	0 57	0 76	1 14	1 90
3,800 to 4,000	0 20	0 40	0 60	0 80	1 20	2 00
4,000 to 4,200	0 21	0 42	0 63	0 84	1 26	2 10
4,200 to 4,400	0 22	0 44	0 66	0 88	1 32	2 20
4,400 to 4,600	0 23	0 46	0 69	0 92	1 38	2 30
4,600 to 4,800	0 24	0 48	0 72	0 96	1 44	2 40
4,800 to 5,000	0 25	0 50	0 75	1 00	1 50	2 50
Over \$5,000, } for each 200 }	0 01	0 02	0 03	0 04	0 06	0 10

COUNTING-HOUSE ALMANAC FOR 1865.

	Sund.	Mon.	Tues.	Wed.	Thurs.	Frid.	Satur.
JANUARY	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				
FEBRUARY				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28				
MARCH				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	
APRIL							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30						
MAY		1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			
JUNE					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	

RATES OF POSTAGE.

LETTERS TO ANY PART OF THE UNITED STATES, *Three cents* for each 1-2 ounce or part thereof.
 DROP LETTERS, *Two cents*.
 ADVERTISED LETTERS, *One cent*, in addition to the regular rates.
 VALUABLE LETTERS may be registered on application at the office of mailing, and the payment of a registration fee not exceeding *Twenty cents*.
 TRANSIENT NEWSPAPERS, Periodicals, Pamphlets, Blanks, Proof Sheets, Book Manuscripts, and all mailable printed matter, (except circulars and books,) *Two cents* for each and every 4 ounces. Double these rates are charged for Books.
 UNSEALED CIRCULARS, (to one address,) not exceeding 3 in number, *Two cents*, and in the same proportion for a greater number.
 SEEDS, CUTTINGS, ROOTS, &c., *Two cents* for each 4 ounces or less quantity.
 ALL PACKAGES of Mail Matter not charged with letter postage must be so arranged that the same can be *conveniently* examined by Postmasters; if not, letter postage will be charged.
 No PACKAGE will be forwarded by mail which weighs over 4 pounds.
 ALL POSTAGE MATTER, for delivery within the United States, must be PREPAID by stamps (except duly certified letters of soldiers and sailors); otherwise, double the above rates will be charged on delivery.
 WEEKLY NEWSPAPERS, (one copy only,) sent to actual Subscribers within the County where printed and published, *Free*.
 LETTERS TO CANADA and other British North American Provinces, when not over 3,000 miles, *Ten cents* for each 1-2 ounce. When over 3,000 miles, *Fifteen cents*. Prepayment optional.
 LETTERS TO GREAT BRITAIN OR IRELAND, *Twenty-Four cents*. Prepayment optional.
 LETTERS TO FRANCE, *Fifteen cents* for each 1-4 ounce. Prepayment optional.
 LETTERS TO OTHER FOREIGN COUNTRIES vary in rate according to the route by which they are sent, and the proper information can be obtained of any Postmaster in the United States.
To Port au Prince letters are and paper &c.

Diary of W. N. Dall. Mem. Boston Soc. of N. History.
 SUNDAY, JANUARY 1, 1865.

Arrived yesterday in town from home. Left Lou. Wells safe at Syracuse. Pretty well tired, and just skipped the passport business.

MONDAY 2

Made no calls, as Col. I wished me to write on his report.

TUESDAY 3

Writing all day.

WEDNESDAY, JANUARY 4, 1865.

Find that Col. F. and the Iron Cliffs are not entirely harmonious. write but don't send, to mother and await developments.

THURSDAY 5

Evening. Talk over the Beliffs business with Col. F. That miserly Liden has been trying to swindle him of his just dues. He has been shamefully treated, and send letter to mother.

FRIDAY 6

See Kennicott. and talk over the ex. he is anxious to have me go. Bannister and Elliot will probably go.

SATURDAY, JANUARY 7, 1865.

Write all day. Col. F. troubled with the rheumatism.

SUNDAY 8

Mr. Leathers and the Belarks.

MONDAY 9

Write all day.

N. H. Wall

TUESDAY, JANUARY 10, 1865.

Col. F. down in the southern part of the state
exploring a coal mine. Work at the Academy
in the evening.

WEDNESDAY 11

Keyped Col. F. make out Scammon's Rep. on the Austin
coal mine; two miles south of Sparland Station, Beaureau
Valley R.R. and near the M. River. Saw S. in afternoon
also W.R. Arthur, J.L. Waters, &c. Saw Kennicott in
the afternoon and spent evening at the Academy
with Nalon; cataloguing my mixed collection. N.
came in about 11.30. from the opera. Discuss the
Trails Ex. which seems somewhat indefinite in plan.
No letters from home, can't understand it. Got
book rep. Saw Mariner, and Leo.

THURSDAY 12

Feel miserably. Look after coal for Col. F. and also
after timetables & Canal Report for Scammon. Rest a
little while at the Academy, go home lay down and
stay down for the rest of the day and night. A
very disagreeable and painful cold, almost pleurisy.

FRIDAY, JANUARY 13, 1865.

Morning felt better. Made a shift to arrange the
loose accounts of the Iron cliffs. Col. F. rather irritable
on the subject, or myself I really don't know which,
but nothing said or done to hurt any body. After
noon go up town and find two letters, and a
telegraph waiting for me, all amounting to
nothing, and costing me \$2.20 to remedy fool-
ishness. What a pity women are so worthless,
some of them at least. Wrote a sharp letter home
which I hope, will bring out some common sense.
Wrote to Curtiss, and on Report in evening.

SATURDAY 14

Wrote most of day on Report. No letters from the East.
wrote to Anthony, Hyatt, and mother. Evening go up
to the Academy and accomplish little. Nalon didn't
bring any whiskey as he promised. D'Aligny called
in afternoon and promised to come up in the evening
but didn't. He is a type of the French I think; a
powerful mind, a great worker, a coarse body,
but reasonably gentlemanly. He is a good chem-
ist, and mineralogist, and has a very pleasant man-
ner though not the old French ideal of politeness.

SUNDAY 15

Morning go up to the Academy to do some
work and get something done before Stimpson comes.
This is the first Sunday I have been wilfully
absent from church in some six months. The
troubles of the Northwestern are on the increase.
Systematic bribery don't pay, in my estimation.
Edw. Everett dead, full of years and honors. The
shout goes up amidst the heavenly host; "admit
a conqueror here!" He is with peace and peace
with him. Evening Academy again, and got the
Cypreas done up at last. That's some thing any way.

MONDAY, JANUARY 16, 1865.

Morning. write on Report. and Brothertons notes. Afternoon, go down town after a plasterer. Drop in on the Academy, and get all the shells except Univ. into the cases, so that no damned son of mortality, shall get them filled up with something else. Evening, go to Nasons to Tea. Pass a very pleasant evening. A little snow in afternoon made slippery walks. No letters.

TUESDAY 17

Morning, write, and assist Mrs. Foster. go after plasterer and repair bedstead. Afternoon go up to Sherman House with letters for D'Aligny, who wishes me god speed on my expedition. Evening at the Academy. Prof. Jewell, Jack Frost, Nason, Kennicott and myself, five steady workers, there this evening. I get my loose ends packed a little. No letters. Bartmister writes that he is glad I am going north so he will be in good company!

WEDNESDAY 18

Morning, write and help Mrs Foster about some domestic arrangements. Afternoon. Go to binder and get books. Also to Academy for a few minutes. Stimpson expected to night. Note to Kennicott from Put. about pamphlets. Evening. Go up to the Academy and work on catalogue till 12. Stimpson not arrived then. Got considerable done. One or two more nights will finish it up. Letter from mother after her usual style. flippant and superficial. No satisfaction in it. Answer it, and write to Bartmore and Hannie L. Fort Fisher is ours! Nic jacet Butler. Porter redivivus. Cum grano salsae.

THURSDAY, JANUARY 19, 1865.

Clock mending and writing in the morning. A sunny cold day. Col. Foster improving. Write steadily all day. Evening Letter from Mrs. Evered. Stimpson not yet arrived. Work at Acad. Prof. Jewell, Frost, Dr. Roler, Dr. Stebbins, Davis Nason, and myself beside K. Nason ties on 20 labels!! I should not wonder if he went to work and did some thing, some day. We get through considerable work and have a pleasant evening. K. had an attack of the vertigo, and as the P. & St. W. train has run off the track, I don't believe Stimpson will be there tonight.

FRIDAY 20

Morning, write on Rep. Go to the Bank and passing by the Sherman House meet K. & Stimpson. Write like blazes all the afternoon and in the evening go up to Acad. No one there till 8. when Nason drops in and finally K. & S. We have a jolly evening, and unpack Stymus box of sundries, mostly Mya, mercenaria, and mactra. Some neat shells from the Canary Islands. Finish my catalogue and find I have about 1400 sp. Letter from Sadie. Hannie L. has gone to Port Royal to teach. with Miss Botham. I am sorry: but she may have a pleasant time, after all.

SATURDAY 21

Morning, write. Col. F. comes down. Finish up, the first part of the Report. About half past one hurry off to meet K. & S. I have note for a pass, but the man who attends to passes, is gone to dinner. Leave the Academy, at 2.40 Stimpson has a bad touch of rheumatism. Weather changes from pleasant & warm, to chilly. meet Alice Reilly at the depot. Flint & Bruno don't come out. Have to wait after arriving at Des Plaines a half hour for a lardy little Dutchman with the team. Arrive at last and find a warm welcome. Meet Mary & Lillie Kennicott and Amasa & wife.

SUNDAY, JANUARY 22, 1865.

Morning discuss development theory with Stimpson who is a Darwinian. After dinner ride in sleigh to Mrs Caroline K's and meet Misses Fannie, Grace and Rose, and also Frank, Gus, and Mark, Kennicott. In two sleighs we then ride five or six miles to Mr. Hiram Kennicott's, Miss Mary being under my special charge. We have an adventure with some tipsy Dutchmen. Take supper at Hiram's, after supper singing and return with Mary, Grace, and others. Even. Assist Mary with her composition on "Ink." and pretty tired, to bed.

MONDAY 23

Start after breakfast for the depot, with Alice, Mary, Stim. & Bob, and find it extremely cold. Drop M. at the school-house where the friend of Nap. III. and the hero of Magenta, teaches for \$35.00 a month. Arrive in town and go to the Academy where I delight Stim, with the sight of Stenothyrus & Crenobates, two genera which he had never seen and which he wanted very much. Go home and write. In the evening go over on the north side and call on Mrs. Clarke and Mrs. Greeley, who promises me letters to San Francisco. No letters from home. Field meeting tomorrow night at the Acad.

TUESDAY 24

Morning write &c. Go up with mss. for Gilder, letters & boxes in the afternoon. Go into Academy and show letter just rec'd to him. The whole plan of the Expedition is so wrapped in mystery that I shall not regard it, until I can find out the particulars. In the evening I go up to the Academy, a bitter cold night. I am met with the news that the Smithsonian is in flames. Great Heaven! if this be true and the library, and the collections are destroyed the loss is irreparable. My own little troubles sink into insignificance before those of Stimpson who has lost the labor of fifteen years; and of all naturalists of the world.

WEDNESDAY, JANUARY 25, 1865.

By the paper I learn that the loss at the S.I. is not so great as I feared, but the particulars I must learn from S. & K. Go up with note about coal to Arthur, don't see him but Hewitt who behaves in a rather unnecessary manner to speak mildly. Stimp. leaves at 5.30 for Wash. in better spirits. I hurry down to Col. F's and off to Mrs. Hathaways to tea. Going up like a fool, I get my right ear frost-bitten and don't discover it till in the warm parlor. Have some fine singing from Miss Whiting and off to Acad. Find good news from S.I. damage less than expected, manuscripts safe. Spend the night at the Academy with K. Label birds &c. No letters from the East.

THURSDAY 26

Breakfasted with Bob, at his boarding house, and go down to the house at 8.40. Write away on Report and get 140 pp's done. Very cold. My ear gets on better than I expected, though swollen and painful. W. Kirkland comes to see Col. F. and states that Hewitt made an incorrect assertion about the coal. In the evening, I start, well wrapped up from the wind, in scarf and shawl, and reach Acad. without damage. K. not there, but Jack Frost & Davis on reptiles & skulls. Label a number of boxes and progress reasonably well. Get home and talk with Col. abt Baird & to bed.

FRIDAY 27

Write away, and finish up the Report. Hallelujah! In the afternoon go up town and Express it to New York. Get drawing pen, and tobacco. Step in to the Acad. Find all busy except Nason, why won't he take hold and help. If I only had his chances I would be something, or somebody. Even go up to the Acad. and work on bird labels & mammals, till 12 o'clock. Get together mammals to send to Putnam Verrill, Agassiz, Phil. Acad. &c. K. wants me to spend Saturday there, and help him. I think of taking up the birds while he is away, and looking after them.

SATURDAY, JANUARY 28, 1865.

Morning, start off with Col. F.'s permission for the Aedy. Done and sup with Kimnicott and work at checking off the exchange list, till 12 at night.

SUNDAY 29

Up the first in the house, and after breakfast read and go up to the Academy where I work on as yesterday at the exchange list which we finally finished, some 200 species of birds and some 600 specimens, to Agassiz, Essex Institute, & Yale College's museums. Dr. Blaney & Rock come in; Rock knows Bulkeley and sends his regards to him. Weather more moderate. Home at 10.15

MONDAY 30

Morning the plasterer picks up a murr, so we have to lie around idle for the whole morning. After noon go to the bank, &c. Evening, Col. F. objects to my being out after 12 at night. (which I have done but once) which is perfectly reasonable. Write to Putnam, Richie Chace and Nason but don't send the last. Go up to the Academy and work on the eggs and thank Heaven, got them done at last. Dr. Noy, were in, of Racine, Wis. and Sr. invited me to visit him if I ever go that way. Noy Sr. is one of the earliest of the western naturalists. Eggs are humbug in my opinion. Left for home at 11.15. —

TUESDAY, JANUARY 31, 1865.

Morning write, personally. Col. F. makes out his state ment of services done for a "corporation without a soul" and I copy all day on it. Evening take the Randolph St car to Lincoln St., and go two streets south and two doors east, to Mr. Redfield's in West Washington St. where Bob is and pass a very pleasant evening. see some beautiful cone frames made by Emma Kimnicott and some pretty rustic ornaments, have a small glass of tip top punch, and return with Bob who leaves for New York via Bellevue land tomorrow night.

WEDNESDAY, FEBRUARY 1

Dull muggy weather, Col. F. not so well. Wrote to Mr. Ogden and grandfather Healey and enclose a copy of my letter to mother with a note. Col. F. writes to O. for me, also. Afternoon work on map, and go to P.O. no letters. A. Agassiz & St John in town, say they will be up to night. Evening go up, and follow the fire bells to State St. Bridge & see the burning of whiskey & tobacco by the hoghead on S. Water. St. The most magnificent of pyrotechnics, I ever witnessed. Work with Bob and get the egg lists made out. Nason works, writing the localities. Bob don't get off, tonight. Agassiz & St. John, don't come up, for which I am rather sorry.

THURSDAY 2

Morning work on map and letters. Write to P. G. Anthony finish map, and go to the office for letters; none there. Why won't they write, I think it is cruel, eight or nine days since I wrote last. Evening go up to the Academy and commence packing up the shells for Sherbald. Nason comes in for a short time. a rainy disagreeable day.

FRIDAY, FEBRUARY 3, 1865.

Morning, Catherine throws one of my mittens; which cost \$3.00 and which I had hoped to keep two years at least; into the fire through sheer carelessness. Go to look after coal. Afternoon go up town and go into the Acad. Help K. with the birds for an hour. No letters from home. Evening, check off mounted birds, and mountable skins. Bob, packs up, and I go down with him to the Michigan Southern depot, where he leaves at 9.30 for Cleveland. He will telegraph me from New York the particulars of the Expedition &c. I hope to hear from Ogden soon. Saw Emerson in the morning and showed up the Museum.

SATURDAY 4

Morning dull and wet. Draw on map &c. Afternoon go up for letters. One from home at last, confessing inability to advise me. If this had only been said at first; what a deal of pain it would have saved me. Letter from father, kind and pleasant, bless him; at Madras. Go up to the Acad in the Evening & arrange shells, after painting letters for the children.

Oh, if I had riches! but as I have not; -
I will not be wailing my fortuneless lot;
But go on my way, with the little I have,
And carry my burdens, with faith, to the grave,

SUNDAY 5

Morning, Mr. Collyer on the laborers in the vineyard & payment of a penny to all. He argued that we should all succeed and receive our reward even if we labored but one hour. I always thought that this parable & the words of Christ to the Samaritan woman who would be healed, and the text, "to him that hath shall be given &c" were unchristian and unjust in spirit & letter.

Dined at the Collyers. Home, write to mother, and go up to the Academy in the evening. Box up a lot of shells. Must call on the Healeys tomorrow.

MONDAY, FEBRUARY 6, 1865.

Morning copy on H. Memorial to the directors of the I.C. Go up town and pay gas-bill call at bank, leave express packages. Buy a pair of cloth gloves. no letters. Afternoon correct Report &c. Evening, go up to the Healeys, and make a very pleasant call, play a game of chess with Miss Mary, who beats me, very well. She is a good player though a beginner. I wish I had time to practice this game, it sharpens ones wit, wonderfully. Weather more mild, snowy a little. Scudders box of insects arrived to day, not in perfect condition. I will raise thunder, with Geo. Armstrong if he keeps opening my mail parcels.

TUESDAY 7

Dull & snowy. Not much to do, draw somewhat, in Carpenter and write. Afternoon, go up town, and get letters from Putnam and Tom Newell. Evening, go up to the Academy, get out list of big bird skins, and pack up some more shells. Nason there with me but don't work. When Bob went away, he told me not to hesitate if the occasion required but to go up and use his room at the Academy, and gave me a name of a connection of his who keeps a cheap boarding house on State Street No. 90. It will be very convenient to be able to do it.

WEDNESDAY 8

Morning, Col F. very irritable because I found some trouble in getting the fire to burn in his study, a thing which I do only to accommodate him & which he has no manner of right to require me to do. I shall leave him very soon, but I hoped to wait without trouble, till a reply came from Mr. Ogden. I have made a settlement with the Co. of a reasonable character, \$65.00 a month and \$8.00 weekly for board deducted leaving me about \$120.00 in hand. Get a note to Mrs McDougall from Mr. Redfield and get draft cashed at Sturgess. Evening, the Academy and shells with Nason, who has a note from Stimpson. I shall probably go up there to sleep & board at Mrs McDougall's.

THURSDAY, FEBRUARY 9, 1865.

Morning go up town, see Mrs. McDougal a motherly old Irishwoman, and arrange to board there. afternoon, pack up. take my books &c by bags full, and carry to the Academy. Mr. Greeley has got back but did not see mother. After noon, work at the Academy on birds. Evening, the same. after noon, an old gentle man named Dr. Kitto, of the army, came in, and made the library a donation of an old edition of the Encyclopedia Britannica & a life of Kirby. in all 23 volumes. He also promised to send us fish and other things. He wants his boy to go North with Kennicott.

FRIDAY 10

Letter from mother. & Sadie. Say adieu to Col. F. & the family go up to the Academy and work, cleaning out the loft, and Frank Davis comes in and helps. Go to dinner at Mrs. McDo, and come back find Nason here. Finish up the loft, and clear up and go up to Nason's house to tea, have a pleasant time, go down to Mrs. Hatha-ways to make a "party call" spend a pleasant hour there, then down to the Academy, work on the birds till one o'clock, then to bed.

SATURDAY 11

Work at the shells. Afternoon, Flint, in some of his monkey shins smashes a pane in one of the bird cases. Evening, a terrible gust of wind turns over the sky light and breaks several panes. Move the cases and go to bed. Röehler doesn't come up. Though Nason comes and brings us can of fish.

SUNDAY, FEBRUARY 12, 1865.

Morning, Mr. Collyer preaches to young men, on the importance of sticking to some one thing. Dine with Mr. Greeley. Afternoon Nason comes up to the rooms, and loafs a little while. I pack up some shells, &c. Evening, tired, early to bed.

MONDAY 13

Morning, after breakfast bring up my trunk &c from Col. F.'s go for glacier, see Thompson, and go to find Baxter but can't. Get a dispatch from Kennicott to this effect. "We sail March 20th, cabin passage, time of service, one or two years. You better go." I write to Prof. Bannister, as I said; and with deliberation a little before replying. Afternoon on shells. Evening, go up to Mr. Collyer's but he is out then to Mr. Greeley, who advises me if I regard pecuniary advantages, not to go. I am perplexed. Letters from Allie C. & Lizzie Merriam, bright & pleasant.

TUESDAY 14

Telegraphed Bob "Can you wait three days for my decision? Have you mailed me particulars? How about going to Washington or Salem? and the outfit?" Röehler comes in and goes to work on the library. Go to see Col. Nason about getting something to do on the river business, he being appointed commissioner. Nothing at present to do. Afternoon, get room ready for meeting. Go to see Mr. Greeley, but he is out. after supper to Mr. Collyer, but he is out. although he appointed to meet me. then to Mr. G's. but he is out. see Mr. Fogg. Back to Acad. Dr. Andrews in, talk about the arm & leg bones &c. Work with Nason on American land shells.

WEDNESDAY, FEBRUARY 15, 1865.

Work most of the morning on shells, books &c. Mr. Banister comes in and talks a little about Henry.

Write a little valentine for Fannie L. afternoon, see Mr. Greeley. Nothing likely to turn up I am afraid. It seems to me that I had better go North, than go through the weary mill again, as I have done, once in Boston and once in Chicago, without any permanent benefit being conferred on me, thereby. This world is all chance, and I stand as good a chance two years from now, as now. Afternoon & evening on shells. Nason comes in, and Garry Lansing worked a little in the morning.

THURSDAY 16

Morning work on shells &c. Afternoon step into Mr. Greeley's who has seen and spoken to Mr. Hilton of the Council Hill lead people, and he goes with and introduces me to Mr. Hilton. The ^{symp} after of the matter is that the man in charge has too much to attend to, to do the work required systematically, although he is a practical miner. I named \$900. to \$1000. as what I thought I could make myself worth, to the Company. Mr. H. said he would lay the matter before the Directors, and let me know in a week. In the morning J. Redfield came in and talked over a plan for surveying some lands for oil, in S. Ills.

FRIDAY 17

Talk with Mr. Greeley about Bob's letter. I think I shall wait to have the lead matter settled before writing to H. I feel miserably worrying, so, over the confounded things, and a disagreeable cold in addition. How folks have to scratch about in this world, just like hens for a living. Afternoon finish up one case of birds, and rectify lots of Garry's mistakes. Redfield & Boornis come in and talk over the "oil" scheme again. It is a crockey business and I don't want to smut my hands with it, unless they pay down and well. Nason on fish, and write to Bob as per mem. and worn out with worry and work, to bed.

SATURDAY, FEBRUARY 18, 1865.

Get up with a miserable headache. Go to work on the second case of birds, and finish up the remainder of the Helicidae. Nason comes in about 12 and works on his fish, enters the remainder; of which we have records. Afternoon, Baxter brings up two draw cases which we needed very much. Geo. Walker, c.a. comes in and perambulates. Also Thompson. Finish up case no. two, of birds, making about 2600. entered. Evening go up to Dr. Kuschings to a pleasant little evening party where I meet Misses. Fogg, Hedge, Adams, &c. play cards & have a good time though not dancing. Home at 12.

SUNDAY 19

Went to Mr. Codgers, who gave us a good but old sermon on "Vanity of vanities; all is vanity, & vexation of spirit."

Dined at his house & talked over Tel. Ex. after dinner, went up to Mr. Greeley's to see Louie Wells, who goes home on account of her mother's sad misfortune which may be better than she anticipates. Dropped in to see Mrs. Clarke, who is unwell, and see also Mrs. Abr. Clarke from Milwaukee who came down with L.W. In the evening after tea go over to Mr. Redfield's and spend an hour or two. Talk over the Ex. &c. Wrote to Seudder enclosing money and asking adv.

MONDAY 20

Morning, get out the birds in case no. three to enter. aukes & penguins. Enter the last ducks. Morning goes like a blue streak. After dinner find that Thompson has brought in a fine male lynx (*L. rufus*, Raf.) from Wisconsin.

Old Bischoff goes to work to skin him, and with great trouble I manage to get him to take out the body with out much mangling, so as to dissect it. Frank Davis & Nason in, Frank calls on Jewell to get him to come in and set us a work on the lynx. We intend to take notes and if we make out anything perhaps publish. J. comes up and we dissect till 11. or sect. muscles

TUESDAY, FEBRUARY 21, 1865.

Finish all the birds and put a buggy one to bake. Nason comes in and loafs an hour or two. Get in one of the new cases and put our loose writing materials & labels into it. A short sad note from mother. After noon work out - the latissimus dorsi & trapezius muscles of the lynx, Nason does not come in. Evening read up on anatomy in Gray's dissector. I wonder how soon Stimpson will be here. I wish he would come. Shall work up that lynx myself, and not wait much longer for H. M. Wm A. Nason. Esq.

WEDNESDAY 22

Washington was born on this day, and at home there wd have been a celebration, but perunious Chicago hugs her green backs, and only tinkles her noon bells, a little longer than usual. Morning, enter up the land shells. Nason comes in & we work on the lynx and prepare him for Dr. Jewell inspection. Afternoon work on shells; a wedding at Mrs. Macs. cake & wine as you please &c. Her daughter to marry. Letter from Bob on unimportant matters. Evening finish the land shells and Jewell coming in make notes on the internal anatomy of the lynx.

THURSDAY 23

Morning work on shells. Package from Washington for Pome. Afternoon dissect on the lynx, intestines &c. Evening, finish packing up my own collection of shells. Nason with me afternoon & evening. Roehler comes in in the course of the day. Time I heard from the lead mine folks if they are going to do any thing or not. Good news from the army. Sherman is marching on, Charleston Savannah and Mobile are almost in our hands and Wilmington must fall soon.

FRIDAY, FEBRUARY 24, 1865.

Pack up exchanges for Theobald. write to him and mother. Frank Davis on the birds, putting on the labels. Nason has not been in and Lynx rufus is beginning to stink. I must finish the dissection myself, or lose the value of our notes already taken nothing from Hilton. Time flies and I fear that plan will amount to nothing. Evening bring Lyons up and show him our museum, and write on catalogue for Anthony. till eleven. Rain is hard. Wilmington they say is ours.

SATURDAY 25

a dull rainy day. Move the cases. Take up the lynx and go to work in earnest, clean and inflate his intestines, and take notes on various parts, particularly the corpus-spongiosum and glands. p. which are very remarkable, the former being forked and the latter furnished with recurved spines. See Greeley and ask him to see Hilton and get some kind of an answer out of him. I fear that it will be all "smoke". Letter from Put. none from home. Feel cursed blue, and have a screaming headache.

SUNDAY 26

Dull and rainy. Spring has set in, and in Chicago that means mud unfathomable, and slop inconceivable, except to an inhabitant. Went to hear Mr. Collyer on first the blade, then the ear; then the full corn in the ear. The hymn "Watchman tell us of the night, what its signs of promise are." was most finely rendered by the choir and gave me a great deal of pleasure. Wrote a line to mother and shall get some thing definite from Hilton tomorrow or shall telegraph Kennicott that I will go

MONDAY, FEBRUARY 27, 1865.

Mr. Greeley goes to see Milton whom he finds very busy, and who says that things look favorable but Mr. Badger has but just got back and he has not had time to consult him. Work on Lynx, and compose the following etc.
Lynx,
Stinks.

Must wait a little while longer I suppose. Even'g go up and see Nason who is unwell with a cold. Home, showing hard. Letters from Sadie and Lizzie Merriam. Mother sick.

TUESDAY 28

Work on shells some. Frank Davis in in the morning and putting on labels on birds. also Nason, who smokes & reads a novel. Get the Littorinas and Nassae, entered. No letters. Mrs Cushing is sick. Afternoon have from a member of the Old Academy, fresh proofs of the duplicity of Isaac A. Pool. Mr. Greeley comes in and I show him our interesting things and in the evening write letters home and to Miss Merriam and Putnam.

WEDNESDAY, MARCH 1

Dull and rainy. Work on shells. Let Davis at the bird labels. G. Boettner comes in with a fly from Kansas. N. B. He is an ass, but may be made useful. Let him at work on the Colorado miscellaneous insects, pinning. Enter Columbella & Valiotis. Pay J. Washington five dollars. Willie Dalliba comes in and works in the afternoon. Evening Nason comes in and we talk over things in general. Write to Kennicott, about matters of the Museum, and also to Geo. C. Walker about museum matters & alcohol, which we want, also looks on the cases.

THURSDAY, MARCH 2, 1865.

Work on matters in general, and every thing in particular. See Greeley who advises waiting so as not to ruffle the fur of the lead men. Geo. C. Walker comes in, and talks about several things very pleasantly. Says that Bob comes back to morrow. If he does and the place is open I shall go without doubt. Afternoon get things straight for his coming. Letter from Scudder and mother. Scudder says go by all means. Mother says her sympathies &c. Why didn't she say so at first? Evening go up to Geo. Nathanaels and write notes.

FRIDAY 3

Baxter here, to put on the locks at last, and finds it much more of a job than he expected the lazy fellow. Move shells out of a number of cases for him to put them on. Frank Davis and Flint-K. and Fred. Huse in to see Bob who won't get here in my opinion before Sat. night. Evening, let Mr. Lyons and Mark somebody to come over to the museum and we rush through the bird labels getting the items written on nearly three hundred, a pretty good evening's work. Dr. Andrews in in the morning who speaks well of my notes on the anatomy of the Lynx. SATURDAY 4
Morning, Bischoff off for a tramp. Baxter on the cases, Garry Lansing and Fred H. in to help work against today. Have to take everything birds, eggs, shells &c out of the cases to have the locks put in, a terrible job. Wether in and I tell him the fix about K. plainly, I think all will be well. I may have done W. injustice in thought. He is quite gentlemanly to me. Huse, about his speaking to Milton? Z. Go to Woods with Lyons who also comes in in aft. Get the labels onto the birds as I set out to but find some mistakes which must be rectified hereafter.

SUNDAY, MARCH 5, 1865.

Bob comes in about one o'clock in the morning and after a short talk it is settled that I go with him. Discuss matters in general and get but little sleep. The rascal at the Sherman House didn't give him my letter. He goes off to the grove with Walker. Spend the morning in selecting the things to take with me. Put most of my books in to my trunk as Stym will bring on his library he will hardly use them. We go by Nicaragua, and leave for Washington Wednesday night. Call on the Collyers Mrs Greeley, Mrs. Clarke, and Mrs. Leushing, and write five letters. Telegraph mother in the morning.

MONDAY 6

Look about in the morning for flannels trunk &c. Get three good shirts for \$2.25 each. very cheap I think; have to give \$14.00 for a stout trunk of small size. Get a note from Allie Cleveland and answer it. Write also to Sam Kelatke poor man who has broken his leg near the head of the humerus. Fred Huse, Lansing Davis, Nason. Blatchford, Walker and Andrews in during the day. Sup. at Mr. Collyers who gives me letters and Enoch. Arden. Call at Mrs. Cushing's Mrs. Heales, Mr. Scammons, Col. Foster, and Mrs Gibbs. Col. gone to Wis. Bob terribly busy all day.

TUESDAY 7

Fred Huse spent the night with me. Morning, take him over to Mrs Mac's to breakfast. Davis Dalliba, Bruno, Flint, Armstrong, Böttner, Baxter Marcy, Dr. Bannister, Charley Kennicott, Walker, Thompson, and others, in, during the morning Mr. Collyer in and makes me a present of Linnysson's poems in blue and gold. Take a cup of coffee at Jacksons with K. Bros. and see Charley down to the Ill. Cent. Depot. Bob and Frost in the evening and figure for \$ for librarian.

WEDNESDAY, MARCH 8, 1865.

Fix up things generally for leaving. Morning, Worthen comes in, go to Geo. C. Walkers with him and find K. there. Old Meek will possibly come to Chicago, to superintend Worthens plates in the Ills. Report. About noon Stym comes from Washington, go off with him to a restaurant to get him some dinner. Pack up and send off trunk checked for Baltimore. Evening, grand powwow at Geo. C's, in Terrace Block, off at 6 in the morning. Good bye Chicago!

THURSDAY 9

"Westward the course of Empire takes its way,"
And Science follows with her starlit train,
Stern Mistress, well beloved, whose generous hand,
Deals treasures, richer than of mint or mine,
Forth to her votaries. Such treasures vast
I may not idly refuse to grasp!

All day on the cars between Chicago & Pittsburgh. Take sleeping car and pass the latter place in the night.

FRIDAY 10

Morning, ditto to Thursday. Afternoon, arrive at Harrisburgh. Go to the United States Hotel opposite the Depot. Stroll about the town, which is pretty and resembles Philadelphia in general style went up on the capitol a beautiful view; the city lies in a kind of basin, around a central hill on which the State House is situated. Two fine bridges over the blue Susquehanna. Meet, strange coincidence, in the cupola, a man, come to enlist, who knows and comes from the same place as, J. S. Rothrock the botanist, who goes with us. Back to Hotel and write in evening. Off at 2.30 AM

SATURDAY, MARCH 11, 1865.

arrive in Baltimore about 7.30. Take break-fast at Remond's Hotel cor. Liberty Street. Take the Washington cars at 8.40 stand up most of the way. Get to Washington about 11 o'clock and go to Ulkes to have my photo taken, then over to the Smithsonian where I meet Prof. Baird, J. S. Rothrock, Henry Elliot and Bannister. Work on birds & eggs. Afternoon talk with Gill, and go over to Prof. Baird's. Evening talk with Mr. Meek and Prof. Gill, and write home and to Uncle Austin, and tired and worried to bed.

N.B. Talk with Prof. Gill till 12. He is extremely long-headed.

SUNDAY 12

Morning, go over with the boys to Mr. Quinn's to break fast. about 10.40 go over to Dr Channings where I hear a fine sermon, poorly delivered, on the Convention for a Broad Church, in New York. In consideration of matters & things, and of their poverty give five dollars. Perhaps this was ostentatious? but it's the last time I shall have the chance for two years. Afternoon rec'd a kind letter from Uncle Wm incl. \$50.00 Shall try to go to Baltimore tomorrow night. Write read and talk in the after noon and call on Prof. Henry, who looks hale & pleasant.

MONDAY 13

Morning work on birds eggs of R. McFarlane collecting at Fort Anderson N.B.T. Unpacked over 800 eggs of *Lagopus albus*!! Talk with Dr. Brewer and Maynard pitches in and helps. Write for Kennicott &c. Afternoon, try to get the 4.30 train for Baltimore but being detained to write for Mr. K. miss it. Come back & get dinner, and go to Post Office and Prof. Baird's house where I see the printings for Dr Brewer's plates. K. off for New York. Henry Elliott hears from Hattie and some trouble between them and K. —

TUESDAY, MARCH 14, 1865.

Morning work on birds, eggs, and shells, unpacking also correct register of gulls, and ducks. Start at 4.30 for Baltimore, and arrive at 6.35. Go to 72 Cathedral Street where Uncle Austin used to live, but find him gone into the country. Take the Pennsylvania avenue cars for Springvale. Arrive at about 7.10 meet Mr. Atkinson, Aunt Louie and the children after tea go over to Mr. Whitridges. Grand ma & Aunt Henrietta are there, and Uncle Tom comes in about 10.30. Talk with him till 12, and sleep there.

WEDNESDAY 15

Off to Washington after breakfast. Ride to Depot with Mr. Atkinson. Start at 8.30 go to Ulkes, but photos, not yet done. Over to the S.I. Get off the alcohol cans, and make arrangements with Solomon for a set of the P.R.R. Repts except Vol. 1. Mexican Boundary, and Ives Colorado. \$29.50 Storage number 1921. K. in from N.Y. at noon. Start for Baltimore at 4.30. Find all the family at Aunt Henrietta's when we take tea. Uncle Joe gives me letters to San Francisco. Mammie Dall has grown and improved wonderfully. Go over to Springvale to sleep. Willard L. Felt is 19 Maiden Lane, N.Y. Shall probably be off to N.Y. tomorrow.

THURSDAY 16

Ride down to the train, with Mr. Atkinson, and leave at 8.30 for Washington. Goodbye Baltimore now for a two years fight! Arrive at Smn., copy plans for K. and make ready to leave for New York by the 7.30 train. Write & talk. Leave for New York at 7.30. buy on the way down a copy of the U.S. Astronomical Ex. to South America, for \$5.00. The Baltimore and Ohio Road is the most unaccommodating line I know of providing no seats in the depot for gentlemen and not allowing them in the ladies room Had to stand a half hour waiting for the train off at last.

FRIDAY, MARCH 17, 1865.

Arrived in New York about half past seven. Meet Maynard in the ferryboat. Go to the Howard House to breakfast, where the wild Indians from Colorado are. Querset. A regular field day for work. Go to the Tel. office, meet Rothrock, go about and price things with him. Go to W. L. Felts and find lots of letters. Busy most of our stationery there. About three go to St Nicholas and get room 375. Go about town on errands. Go in to Tribune office. Meet Mr. Gay, get stockings & \$10.00. Mr. Gay proposes to me to write letters to the Tribune for publication. I will try and see what I will do in that line. Evening write and make up accounts. Kennicott here tomorrow.

SATURDAY 18.

Down to the Telegraphic office where I find Mr. Kennicott & the boys, just from Washington. Each takes up his work and we rush through a good deal of work. Go round and with Mr. Blatchford buy an Enfield blockade runner carbine for \$6.00 on spec. to sell on the west coast. Blatchford treats to oysters for dinner. Spend most of the day running about doing errands &c. Evening make up accounts &c. In afternoon, K. secures us second cabin berths and passage on the Golden Rule for San Juan del Norte, and over the Nicaragua Route.

SUNDAY 19

Morning, write talk and work in our room. Maynard, Rothrock, Bannister, Elliot, and Pease in. About 1 o'clock, start on horsecars for Willard Felts where I dine. See Mrs Felts and her two children. After dinner go up to the Central Park with Mr. Felts and little Lulu. Come back about half past six, and take tea there and go down to the St. Nic. where I find Rothrock and Prof. Thurber. Uncle Lehas W. Foster is there, a pleasant, oldish, man though rather deaf. He invites me up to his house to dinner and speaks kindly of all at home.

MONDAY, MARCH 20, 1865.

Monday morning. About town on errands. Very busy and hurried. News that the Golden Rule (through the non-arrival of trains on account of the great flood in Pennsylvania) will not sail till tomorrow noon. See Col. Foster who gives me some valuable hints as to facts to be noted. Especially about the glacial formation of the fjords and the position of and zeolitic formations in any glacial trap. Get a letter from "Allie, 182 Green St" asking me to call on her "in the evening" This is the way that green young men from the country are taken in and done for, in New York.

TUESDAY 21

Morning. Start from the St. Nicholas and walk down Broadway doing sundry errands on my way. Go in and call on Willard Felts. (Called on Charley Carret yesterday afternoon, and gave him a photograph to send home.) Down to the steamer at eleven. Mr. Blatchford kindly accompanying us and leaving us at last with the kindest wishes. Off on "man o' war" time at 12. Have a fine view of the harbor forts and narrows. Goodbye New York. Through a little judicious wirepulling Mr. K. succeeds in getting us all good state rooms, instead of the standing berths we were to have occupied.

WEDNESDAY 22

Fine day but a heavy swell on. Feel quite well but perhaps a little dizzy. Poor Bannister gets up and says to Elliott, I'll bet I feel better than you do & immediately thereafter gets miserably sick and renders up his accounts with Jonah to the last item. Keep myself on hard tack and ham and little else which is an anti-Jonah diet. Large numbers of beautiful white gulls follow in our wake (*Larus argentatus*) feeding on the "banana fish" (*Coprolites rectum*). Very few passengers on deck or at the table where I don't linger any too long myself. Vessel rolls awfully.

THURSDAY, MARCH 23, 1865.

A continuation of previous heavy weather. They tell me that this is the heaviest weather they have had since the vessel was on the route. Pass large numbers of strings and bunches of *Fucus natans* or Gulfweed. Try to fish some of it up but don't succeed. Read the paper on Geology by Dr. Winslow which Uncle William sent me. Dr. W. simply asserts as his belief certain theories as old as the hills and long ago exploded. He does this with an amount of bombast and conceit rarely equalled; and carefully avoids any bringing of facts to bear on his opinions.

FRIDAY 24

Still heavy rolling sea. Vessel pitches and rolls tremendously. However her machinery works very well and she does not seem to strain, notwithstanding she is almost on her beamends sometimes. At noon today off Charleston the accursed. I hear we are to go around the eastern end of Cuba. That we shall have the choice of riding on horse back or in a stage or of going over on foot on the transit over the mountains. Mr. Prime wished me to look out particularly for the *Cycladidae* on crossing the Isthmus as the animal has never been examined and he thinks it a new genus.

SATURDAY 25

Fine morning. Sea a little calmer. Bannister better than he has been. The water we use to drink, is condensed by the steamer and to use his words, "looks just like anyone else's." from the iron of the condenser I think. Somebody said at dinner table "Tomorrow will be Sunday." "Yes," says a pig who I have named Swillpail, and who sits opposite me at table; "Yes, tomorrow we will have turkey for dinner." After this effort, he seizes the pie plate and appropriates four out of the six segments of a circle which it contains. Swillpail is a philosopher, and only wants a tub to be a Diogenes.

SUNDAY, MARCH 26, 1865.

a beautiful morning. Sea calm and quiet, but the old steamer rolls like a tub. Charley Pease asked of the waiter at dinner, "Wasn't this vessel in the dry dock last trip?" "Yes." "Did she roll much?" This brought down the house. Saw a number of flying fish in the morning. They were very small and of a dark color; looked a good deal like bats. They seemed to fly in schools, and skip from wave to wave, often turning in a broad curve. They don't seem to move their pectoral fins except while touching the water. Evening, we have some music. The ladies promenade the deck, and all enjoy the pleasant softness of the tropical evening air.

MONDAY 27

Another beautiful day. During the night the course was reversed and we ran north to avoid running the windward passage in the night without an observation. About 8 o'clock in the morning see land on larboard quarter. Island of Maraguiana.

See a grampus about 15 feet long and very active. Afternoon a school of porpoises came about. The vessel some ten or fifteen of them swimming side by side and shooting six or eight feet out of the water. They are the sharpnosed species (*Delphinus*) and are less purely white on the belly and have narrower tails than those of Chesapeake Bay.

TUESDAY 28

off St. Domingo. High volcanic mountains to be seen but indistinctly on account of the mist. Deer Island and Nevasa on our Starboard quarter. Numbers of birds flying about. Passed the group islands of Nevasa which belong to an American Company. Rounding the point there came into view the trim form of a black gunboat, pierced for 6 guns, lying in wait for us. Some of the passengers were badly scared, as the Shenandoah, rebel pirate is cruising about, and they knew that this was the place where the Ariel was captured last fall. It turned out however to be the U.S. gunboat Nevens wanting papers & a mail, which are furnished to her.

WEDNESDAY, MARCH 29, 1865.

Sea very high again. Vessel at her old tricks rolling badly. Wrote letters home to be sent back by the purser. We conclude to wear our hunting shirts across the Isthmus. Weather very damp and warm. Tomorrow we can get at our trunks before they are weighed. They weigh the steerage passengers baggage today, in spite of the rolling. We expect to reach Greytown in Nicaragua on Friday. We have had a rather long though pleasant passage. Charley Pease devotes all day looking at Isaac & Rebekah across the cabin, Henry Elliott exerts himself in caricaturing.

THURSDAY 30

Excessively sultry and damp. Spend most of the morning in the hold attending to baggage, which is finally weighed and disposed of by Mr. Gladding the through baggage master. Saw a large school of sharks. Afternoon, run within half a mile of the breakers on Sand Cay, very unexpectedly to all on board. In the night, serious consequences might have followed. Pass the Island of St. Andrews on our starboard side and head straight for Greytown, which we expect to reach about ten to night.

FRIDAY 31

Early in the morning the blue misty look of the horizon before us shows the vicinity of land. About nine the tops of the mimosas and umbrella trees could be distinctly seen. At eleven we were rocking in the outer bay. The harbor has been closed in the past few months by a sand bar recently formed, which has entirely closed it up except a narrow passage where the water is 18 inches only deep. The land mark is an old umbrella tree just above the palms. The town appears small and insignificant. Not a solitary banana boat out. A company's boat with a million and a half in specie comes aboard. Can't land today.

SATURDAY, APRIL 1, 1865.

It is most awfully provoking to sit here with the green shore in plain sight and not a thousand yards off, and not be able to go on shore, and moreover to have the prospect of being here for a week and not going ashore. Dives position was nothing to it. We are going to hire a man to do the swearing; the entire party can't do the subject justice. Boys catching catfish see memo. and Barracooter. Take skin and drawings of both. Barracooter is a very beautiful fish. Sun very hot. Two boats with bananas & cocoanuts at New York prices, come out to us.

SUNDAY 2

Rained hard in the night. Day very hot & sultry. Write up in Journal and notes. Strain things to get on shore and get a chance with two minutes notice, to go with K. & the Captain, and Squiggles. N.B. Squiggles is a e. a. kind. The beach high and shelving and have to jump through sand and water to get ashore. Get promise from Pierson of a floor to sleep on and start down the beach with K who wants to get the rest ashore. Can't board The Golden Rule and taking a chavy dip in the surf, with sharks in plain sight, go up to town and get a supper at "Coffee and Ginger Beer" saloon.

MONDAY 3

Kennicott starts off for the boys at six or seven. I go up town and buy 100 Bananas for 1.00 silver. Get breakfast at Union Hotel so called, for 75 cts sil. Start off collecting and though annoyed by mosquitoes and hornets, manage to make a good morning's work. Beetles and lizards very fine. No land shells except the remains of a broken *Helix* name unknown, two specimens of *Ach. octona* and one small *glanidia*. All dead. Boys on shore about noon and all baggage also. Elliott unwell. Sleep on floor in engineer office. Mosquitoes quite troublesome.

TUESDAY, APRIL 4, 1865.

Climate begins to tell on our little party. Kennicott has a bad diarrhoea. Peace in same fix Elliott not much better. Old Bischoff a little soosish but Rothrock & myself all right. Off in the morning collecting and get some good things. There is a little enclosure out in the woods which the U.S. Frigate Sabine in 1857 erected and which answers to an American burying place. Also one with some fine cocoa palms for the British. Smith, our gambler came near getting six months for cheating somebody out of a gold watch. Make the acquaintance of a German doc and of Mr. Wren clerk at Andres and the Union Hotel. Go up river in doctor's canoe.

WEDNESDAY 5 with 2 Indians in afternoon

Out in the swamps with Rothrock and Elliott botanizing. Mosquitoes & hornets drive us almost frantic. Get some good plants but at last make a desperate strike to get out. After following a path (? made by peccaries) for some time, find myself separated from the rest and in a perfect canebreak. After half an hour of great fatigue, take my compass and make a bee-line for the coast, coming out just below the town a narrow shave. In the afternoon cross the harbor with canoe and sail and get some good things and a bath in the surf notwithstanding the sharks.

THURSDAY 6

Morning out shooting and get some fine birds. Breakfast at Mrs. Buitragos. Probably leave this afternoon. Spend a good part of the hour in packing up our collections to go aboard the Golden Rule. Considering we had but three days here we have made extremely good collections although the shells are small. Down to the steamer at four. Take our place in Barge No 3. See the Golden Rule depart and about six o'clock leave ourselves. Greet town farewell. I hope at some future day to come and collect here again. Reach a sand bar about 12 at night where we sleep till 1 A.M.

FRIDAY, APRIL 7, 1865.

Started from beach about 3 A.M. Was waked from my slumbers by a hard shower, which drenched us all as we lay on the sand. About ten meet a boat with hunks of salt pork and bread which are distributed. After that in & out in water up to the bifurcation hauling the boat over the bars. One consolation after one is wet through they can't get any wetter. Index pair at last get an Indian canoe and reach steamer about 3 P.M. Out on the bank and collect some fine beetles and a scarlet tree frog. Turn in with consciousness of having earned a good night's rest.

SATURDAY 8

Started early from landing up the river and pass the best part of the day steaming by the most beautiful vegetation and scenery. The steamer City of Rioas is a very comfortable sort of river boat. Arrive at Machuco rapids where we collect some very good things. The boat arrived late so we kept our berths for the night. In the evening talked over Mr & Mrs Rockway via Isaac & Rebekah with Mrs. Ritter. Go up and see Smith play faro & three card monte. Faucher wins \$250.00 in specie.

SUNDAY 9

Spend most of the day collecting; walk over the portage view the rapids. Find the most curious forms of Bugs and beetles. Some are like a stick of wood in miniature. Some are like leaves on a tree and others more normal but curiously formed. Evening hire a canoe and K. Rothrock Mike Debarge John the woodsman & myself start to paddle to Castillo. After several failures we run up the large rapid which the Indians declared impossible. About 12 at night we arrived off Castillo and made fast to a sunken steamer which lay in the river and passed a few hours in sleep on the hurricane deck.

MONDAY, APRIL 10, 1865.

Left the City of Grenada early, and got a good breakfast opposite to her; and after breakfast go on a collecting tour. Up on the highest of the three hills and catch beetles &c. Look at the old fort built in the time of the Spaniards. Make the acquaintance of Dr. Downing of Grenada who dines with us. In the afternoon The "Tiger Lily" comes up and after ineffectually running up three times at last lands them. We all take tea at Mr Bermudas, and see the pretty Senorita Dolores and after looking round somewhat at the farms &c go on board the Leon and sleep on the hurricane deck.

TUESDAY 11

Start about 3 o'clock A.M. on board City of Leon, Capt Hooker from Castillo. Arrived below the rapids about eight o'clock and walking a mile and a half through a cane brake finally arrived at the steamer "Virgin" which is to take us up to Virgin Bay. "Virgin" strikes a rock makes a hole in her bottom, and being iron sinks in the short time it takes to beach her. Get ashore, fish & build a palm leaf shanty, and are taken off about 2.30 by the City of Leon which runs the rapids. Steam rapidly up to the Lake where we meet the San Juan and get some grub. Sleep on deck. The lake though small was rough

WEDNESDAY 12

Early morning arrive at Virgin Bay where there are neither virgins nor a bay. Get breakfast and see the passengers on muleback; quite amusing. R. B. P. & myself take passage in a mulecart and arrive at San Juan del Sur, where our darkey driver becomes obstreperous and is finally cooled down by a pat on the breech of my carbine, and Rothrock mounting box drove in triumph down to the landing. I set to work and collect a lot of shells on the rocks and finally go on board steamer. American Capt. Merry. For San Francisco, but have to put up with very poor accommodations: a stifling state room &c so, I sleep on deck.

THURSDAY, APRIL 13, 1865.

Fair calm day and very smooth water. Out of sight of land. Mr. Smith greatly to my delight has taken himself off as he don't like Capt. Merry who is a disciplinarian. All the subordinates on board the ship are very anxious to be bribed from the Purser down. In the afternoon bells sound, and the men rush to the hose, and all is confusion, but keeping cool, I soon discover that it is only the biweekly fire drill. In the Evening take a glass of wine with Doctor Mason, who relates his experience with *Veratrum viride*. Sleep on deck, which is altogether the most comfortable way.

FRIDAY 14

Day very hot. 97° in the shade. I find that much more difference is made between first and second class passengers than on the Atlantic side, and they are much less obliging and gentle mannerly. We shall probably not reach San Francisco before the twenty fifth inst. Write up memoranda. Misty and foggy in the afternoon but no storm. Off the coast of Guatemala and little houses are distinctly seen, dotting the coast, which is well furnished with trees. Sleep on deck very comfortably. His state room is No. 2.

SATURDAY 15

Hotter if possible than yesterday. Rothrock gets out Hookers distribution of Arctic plants and we look it over. He cuts out a "chiga" from Fauchers second toe. It had been in about five days, and had found a sac in which were about fifty oblong eggs, plainly visible to the naked eye; and which in a few days more would have spread in to the surrounding tissues and probably have lost him the toe if not the whole foot. Evening a little cooler. Sleep on deck.

SUNDAY, APRIL 16, 1865.

Pass some high mountains on the Mexican coast which if it were not so misty would be very fine. Pass a school of porpoises (Delphinus) of more than two hundred, leaping and playing. The largest school I ever saw. Pass several high volcanic mountains which seem to be still active. At night pass several, which show activity by the flames issuing from their summits. Night hot and sultry. Sleep on deck and pass Acapulco, in the night. It is said to be now blockaded by the French fleet & army.

MONDAY 17

Passing by a mountainous coast. In murre flocks of Thalassidroma following the vessel. Some sharks & whales also seen. Day hazy, and sultry. Talked over plans of operations for the future. Have a disagreeable headache. Write up notes for Blatchford. See numbers of fish jumping at night. Also see some flying fish, and what is called a whale but is only a black mystery, a good way off under water showing nothing definite.

TUESDAY 18

Day clearer & cooler. Feel a little unwell. Rothrock is also in the same fix. Probably the result of over exertion on the transit. Take a big dose of quinine and lay quiet all day feel better in the evening. Finish writing up notes for Blatchford, and commence a letter to mother & Sadie. About five o'clock strike off again the wind across the Gulf of California. We shall not see land for several days. May meet the Moses Taylor and send back a mail by her.

WEDNESDAY, APRIL 19, 1865.

Weather cooler. We are evidently reaching a more temperate climate. Wrote to Mrs. Kendrick. Feel better but a little so-soish still. About 7 o'clock, send up a rocket and burn a blue light, as a light is seen on our port quarter. But no vessel answers. Rumor says that the light seen was the Taylor and that her captain put out his lights in order to avoid the bother of speaking the America. So our letters will not be sent till we reach San Francisco. Elliott skins a bird that one of the steerage passengers caught with a line.

THURSDAY 20

Fine clear and cool. Light Cape St Lucas early and pass it about ten; a bare desert like rocky coast. Some fine rocks starting up from the sea a high arch wave-worn in one of them, Bannister says the rocks are Triassic. Some look like slate to me. Red & blue much wave worn and precipitous. Long stretches of sand beach between the rocks. A fine place to collect shells having both sorts of collecting ground. Xantus did no dredging here but collected only beach specimens.

FRIDAY 21

Open sea again. Feel premonitions of illness, headache &c. Rothrock also quite unwell. A mild sort of intermittent fever, but accompanied with a fearful head ache. Doctor Miner gives him 10 grains of calomel & ten of jalap which works strongly toward evening. In anticipation of some thing of the same kind myself, I take about 2 grains of blue mass to stave it off if possible. It is undoubtedly owing to over exertion in the transit. However that can't be helped now. At night take four cathartic pills without effect.

SATURDAY, APRIL 22, 1865.

Quite sick. Doctor duplicates Rothrock's dose for me, which operates late in the afternoon. Pass St. Maria Island, and are followed by numbers of the beautiful *Larus argentatus*, and other gulls, remarkably tame. Flying close to ones head almost in reach. Pass between the mainland and a large island with steep and furrowed sides. It was called St. Margarita Island. There did not seem to be any grass or vegetation on the sides of it.

SUNDAY 23

Feel a little better. Day clear and cold. No land in sight. See numbers of porpoises and other marine animals, also numbers of gulls. In the afternoon at seven, speak the "John H. Stephens" a lower coast steamer, and receive the terrible news of Lincoln's assassination and the attempt on Secretary Seward, although the news of the breaking up of the rebellion shows a brighter lining to the lowering cloud. Sherman has "stopped over" as I always mistrusted he would. He is a copper head tacked onto a fighting body.

MONDAY 24

Another sick day. Rothrock very careful & kind. Land in sight occasionally.

Lying all day in Bob's bunk on deck.

Find by the paper that the Shubrick arrived in San Francisco the twelfth inst. with Col. Bulkeley.

Take considerable quinine and a little morphine. Sam looks after me very well but I can't eat, if I was to get its weight in gold. Panama fever is the very devil to take a fellow down. Lost 27 lbs already.

TUESDAY, APRIL 25, 1865.

Feel quite well but a little weak. We shall make the Gate tonight unless something happens to this old tub to make her go faster. Arrived about nine o'clock and after being half asleep and in bed was routed out to go to the Hotel. The Am. Exchange. Rothrock and I room about a little to get something to eat but I feel too weak to do much and go back to bed while he keeps on. Sleep soundly and well. The result of wandering about till tired.

WEDNESDAY 26

The Hotel seems a very fair one, much better than the What Cheer House, which it was proposed to go to. The fare is clean and good, but I can't muster up an appetite to save me. Old Bischoff can't be found. The last that was seen of him, he was going off with another Dutchman and he has probably gone to some Dutch boarding house. San Francisco is a poor city; the buildings are especially mean. I have not come across a fine one except it be a hotel, in all my wanderings.

THURSDAY 27

Room about a little. Can't find Capt. W. N. Hoyes but find old Mr. Hoyes who invites me to dine with him tomorrow at his house in Guy place. Leading out of First Street near Folsom. Go up and go over the Washington Market, so celebrated. I never in my life saw any market surpassing it. The vegetables and the fish were especially remarkable. The lobsters, so called, are spiny & covered with hair & have no large claws. They eat black mussels and a species of Tapes. The flounders are striped red black & white on the fins, and the salmon are very fine.

FRIDAY, APRIL 28, 1865.

Buy the cloth and see about having 1200 fish bags made. They will cost about two cents apiece. Dine at Capt. Noyes. A very pleasant house and to cation. Meet Mrs. Noyes, two gentlemen the sons of the Captain and Miss Lizzie Noyes a very pleasant girl. I spend the after noon & evening there & have a pleasant time. Make appointments to go to Dr. Stebbins Church with them on Sunday and also to dine there. They asked me to bring my things up from the Hotel & stay with them but that would be impossible I am so busy.

SATURDAY 29

Spend most of my time going about and pricing articles on my list of scientific outfit. Meet Capt. Scammon of the Shubrick at the Cosmopolitan where K. stays. I like him very much. Rothrock also meets him and discusses the Kurile islands with him. Black whom Kennicott has detached to help me, although not regularly engaged. I do not like him. He is not reliable, and given to whiskey, and I have generally objections to him.

SUNDAY 30

Morning go to Starr Kings church and go into Capt. Noyes pew. Miss Noyes & the old gentleman were there during service and introduced me to Mr. Stebbins after church. The church is a most beautiful one and to the right is seen an exquisite font, a gift from the second Congregational church in New York. In the afternoon took dinner & tea with the Noyes's and went to evening service with the old gentleman. Starr Kings tomb is just to the right of the church in a little garden.

MONDAY, MAY 1, 1865.

Worked over the scientific outfit list with Black & Denison as my aids. Very busy all day. In the evening go down to 622 Clay St. up stairs where the California Academy of Sciences meets. They adjourn previous to an informal talk with the members, among whom are Col. Ransom Pres't. Messrs. Royal Fisk R. E. C. Stearns, Curator of Conchology. Dr. Ayres with whom I had a long talk, Prof. Bolander, Thos. Bloomer, and others. The Ac. is about semi-fossil and will assuredly continue so unless galvanized are we to do it?

TUESDAY 2

Morning with Black and finish up list of scientific outfit. Spend considerable time at the Cosmopolitan. Take everything out of the alcohol chests except strictly scientific outfit. Get them down to the new office Cor. Battery & Pine Streets where Rothrock has been engaging men. A whole engine company came in a body and offered themselves but were not accepted. Evening Meet Mr. Pierce at the Cosmopolitan and talk with him about Chicago. Mr. Stebbins leaves a card inviting me to tea with him tomorrow evening at six o'clock upon Clay St.

WEDNESDAY 3

Slept late. Got Rothrock's things into Elliott's room & got our washing from the laundry. Denison reports & I set him to making out blanks. Go over papers & copy in a new form all that relates to the scientific outfit. Day hot & sultry. Things hitch a little, but I can't quite see where the snarl is. Hyde seems to be a snag. Go up to Dr. Stebbins' in the evening. His little boy broke both his arms last night. It is a great trial to them and him. Talked with S. about Agassiz and plans for the future, & the transit

THURSDAY, MAY 4, 1865.

Go on with help of Black & Denison to fill out & complete the forms for the Scientific outfit. K. established a sort of head quarters down at Raymonds office of the Transit company where Rothrock and Maynard examine in to the qualifications of candidates for positions in the exploring party. Get all the alcohol tanks & boxes together down there, and wait & see Kennicott. A whole fire company have applied in a body to go but were refused. Get the Nicaragua collections tinned up & boxed.

FRIDAY 5

At work all day at my room making out a suppositions requisition for scientific outfit which foots up nearly \$100.00. Alcohol is the great point \$1450.00 for 500 gals. Denison helps me make it out. Day very sultry & enervating. Evening Report at the Cosmopolitan at 8 o'clock. Day begins to break on plans. Rothrock begins to be selected as K's chief of staff, although just now he seems to want that confidence in K, that the position should demand.

SATURDAY 6

Another hot day. Spent most of the morning in attendance on the great Kennicott at the Cosmopolitan. Present my summary of the scientific outfit required and discuss it. In the afternoon go to inquire of liquor dealers about alcohol & arrack in bond. Find that I can probably get alcohol for \$1.50 in 5 gal. tin cans encased in wood and of such a shape that they might be used at a pinch to pack things in and solder up. I wish that my position was a little more clearly defined. I have no doubt however about K's good will.

SUNDAY, MAY 7, 1865.

Spent most of the day up at the cosmopolitan, helping Kennicott. There seems to be some misunderstanding between him and Bulkeley owing probably to K's rapid and somewhat incoherent style of talking, and perhaps also partly to K's somewhat over ambitious views with regard to his position in the Expedition. In the evening K. takes Rothrock & I up with him to Bulkeley's room where he broaches his plan of going by Sticken and Dease Lake with fifty men and ten thousand pounds, which Bulkeley does not receive favorably.

MONDAY 8

Rothrock is ordered to report to Major Pope and with him to get up a plan of exploring the Babine Lake district. In the evening they go to work to discuss a plan when K comes into the discussion in a somewhat excited manner, and knocks the whole thing into "pi". Go to see Ayres & to the Mercantile library for Seaman after riding about & visiting the Palmetto with him. Weather very hot and uncomfortable. They tell me it is very much warmer than usual in San Francisco. Overland mail tonight. I may hope for letters.

TUESDAY 9

Morning walk out with K & try & post him on events somewhat, and give him some idea of how I am out-riding the situation. On returning meet Rothrock & have some talk with him. Visit Mrs Stebbins partly to let her know I am in town and partly in the faint hope of getting some word or letter from home. I have not heard since I arrived; but there was none. K writes out a plan for the Yukon, which is fairly received by B. & K. is instructed to proceed on a basis of ten men and make out specifications. Now at least we are on firmer ground.

WEDNESDAY, MAY 10, 1865.

Morning, went up to Cosmopolitan. Write for Mr. Kennicott being with him all day.

He is certainly in a great state of excitement or else he was intoxicated. I should say of another man judging from the same data that he was either insane or incapable of doing the work set before him. It is now since last October he has been running a full head of steam of excitement & whiskey. He is absurdly suspicious of every one. Kennan came in in the A.M. Accomplished nothing and ate nothing but breakfast. Feel quite worn out.

THURSDAY 11

Fixed old Bischoffs butterflies in a box ready for packing. Went down to K's room and meet Capt Scammon. Work principally on the basis of 10 men to do the Youkon Exploration. Pease & Lebarge are discussed and Dr. Lenord & Ennis & Denison are in. Prospect that Denison goes Frager. Down to Cat Cos office at 1, & stay till two. Afternoon, Whitney, Alfer, Starr & others are in No. 43. Alfer, will do for astronomer I think. Don't like W. Must get that alcohol dealer know some thing soon. R. Pope would be a great addition if to be obtained. He is a good fellow make out sci. requisition for K.

FRIDAY 12

Go up in the morning and write pretty steady on requisitions &c. all the morning. K. has considerable talk with Ennis and Whitney who is so to speak subdued slightly. Call on Capt Noyes at his office but he was out. Get an enclosure of a note from father and some slips about the Agassiz Ex. from mother. All well to Ap. 1. Evening, Go to hear Detchell as Capt. Cuttle in Dambury & Son. He was splendid though poorly supported. Get home about twelve and sleep soundly. Alfer & Donahue were with us.

SATURDAY, MAY 13, 1865.

Start up to the Cosmopolitan rather late in the morning. Find Kennicott busy and engaged with Pope. Go down to Custom House and get an order for photos & sit for 3 doz. Field, Yates & Ennis give me each one of theirs. About 12 go down with K. from C. stop at Hubbards and K. sits for his photo & has a discussion with the operator. After noon go up to Cos. write &c. and about six go off on a walk with K. to Telegraph Hill and back meet Wright, and leave him & K. discussing Black, who be left handedly blest!

SUNDAY 14

Morning wake up with a sort of windy colic and spend the greater part of the morning in getting rid of extra bile & mucus. About noon muster up, and go down to Cosmopolitan. where I find all out, and return. Evening, Go over and visit the Noyes's where I meet Mrs. Brackett to whom Mr. Collyer gave me a letter, from Chicago. She is just going out of town or would be happy to have me call. Return to Cos. where I find K. with the diarrhoea. Go out and get him some laudanum and return to the Exchange.

MONDAY 15

Up at the Cosmopolitan early. Write &c for K. About noon go over to the "Great Republic" which is loading with ore &c. for New York. Find some oxide of manganese said erroneously to be from "Red Rock", a short way up the bay. After noon start down town to see about scientific outfit for Pope's party. Get up a regular fever and return to Am. Ex. Find the door locked and key away, and determined to face it down, go round and spend the evening at Dr. Ayres' who prescribes quinine for four days.

TUESDAY, MAY 16, 1865.

Old Panama back again. Down him! Fits of vomiting and evacuations, following each other every five minutes till the afternoon when they cease from pure exhaustion. Drink about a gallon of water, which aids in stopping the vomiting. Both expussions nearly pure bile those from the bowels nearly resembling bloody serum. Toward evening felt better and worry down some cornstarch and strawberries and take some wine, Ralph Pope kindly gives me, home made but good. Pass a fair night.

WEDNESDAY 17

Boys are off today and I will see them off though another days fever be the penalty.

Up to the Cas. and fill out my set of their photographs. Lay about till 1. When I get lunch, and go back. About 3 start for the Steamer "Sierra Nevada" for Esquimalt.

The niggardly Co. only furnish these gentlemen with steerage tickets, where they would be neck and neck with chainsangs of coolies for the mines cheer them, well away, Caribous, and return. Early retire and pass a restless night.

THURSDAY 18

Morning. Rose late and went round to the unfortunate dealer in high wines and tell him I've been sick and couldn't attend to his matter. Up at the Cosmopolitan. Renniecott out, go round town up to the photograph saloon and other places. Evening take the Holcomb's car and go out to Capt. Scammon's place but find all out. Return and go up to K's room. Rains hard. Want to talk with him about myself & some other things but can't raise a chance. Sleep there all night.

FRIDAY, MAY 19, 1865.

Early, down to Exchange & get breakfast. Go about town on small errands, visiting shell dealers &c. Look through the fish markets at the specimens of *Sebastes* & *Sebastes* &c. Call on Rinnan at the Cus. No. office, and also on R.E.C. Stearns. Renniecott gets a lot of miserably skinned birds from Lorguin, some rare ones. Evening go down to Capt. Scammon's to call. Meet Mrs Scammon a very pleasant ladylike person and look over the Captains photos & portfolio.

SATURDAY 20

Morning, down to Cosmopolitan. About half past ten, go down to Mr. Stearns office and go down with him to the Oakland Ferry. Take the celebrated steamer Washoe to the Oakland pier across the Bay and the cars there, where we arrive about 12.30. Take lunch and go up to Dr. Newcombs, who has a most beautiful garden and place, though small. Look over part of his cabinet and take dinner with him. Return at 6.40. Evening go to hear Norma with K. Capt. & Mrs. Scammon, Miss Bowline, & the daughter of a Russian gentleman, a very pretty girl.

SUNDAY 21 Miss Olga Minkofstrom.

About half past nine go up to Lorguin's, where I meet Stearns and we start off for Point-Lobos. The wind blowing as usual, diabolically, we decided to go to the North Beach. Had a pleasant though somewhat dangerous walk on a narrow path around the edge of the hill over hanging the surf & rocks. Collected *Patellas*, *Litorina* scutellata, *Purpuras* and *Chitons*. Took a drawing of the *Litorina* animal, and returned to take dinner with Stearns and late in the evening to Cos. & sleep there.

MONDAY, MAY 22, 1865.

Early morning down to Am. Ex. and get breakfast and then to opposition Steamer office, where I take out what we need to complete our outfit for dredging and meet K. We go way down to the end of Battery St & find we have got to go back again. Finally get on board the Phulrick, get a boat and with Asst. Eng. Winship ^{have} a good sail about the bay. Cast Dredge twice and the second time get some good things. See the Chinese drying shrimps. Return leaving dredge & aboard. Even'g with Charley, K. & Ketchum make a tour of the Chinese quarter and the Peter Funk shops.

TUESDAY 23

Morning down to Cos. K. making out the requisitions & cross as a bear of course. The case seems to stand now that I shall be made scientific quartermaster to remain on the vessels in charge of the scientific stores, and the marine collections. Write letters for Stearns, call but he is out. Get my photos. & write up memorandum. Evening, go up to Cosmopolitan and talk over scientific equipment. K. goes off on an expedition some where, and I go round to call on the Noyes's and find only Mrs Noyes at home who invites me to dinner ^{Thursday}.

WEDNESDAY 24

Price certain articles of scientific equipment. Look about for powder cans &c. Go to Timmers after information, and make the discovery that in Hisco men rather make money on poor work than reputation on good. Dr. John Torrey, botanist & U.S. assayer arrives from New York and on board the Moses Taylor. Take him round by the North beach round the edge of the hill & gather some good things in the way of plants. Evening go round to Stearns' and look over the Chinese shells with him of which he gives me a set of duplicates.

THURSDAY, MAY 25, 1865.

Rose Lati, went down to opposition office and get a net for old Bischoff. Buy thread for labels. Go up to K's room and then down to Custom House to find amt. of botanical paper. See Dr. Paine and find that I have seven cavities to be filled which will cost \$35.00. Go about with Kennicott & price guns, and afterwards after Copper cans. Go round to Mrs. Noyes' to dinner, look at their fine little garden, and in the evening play Basique with Miss Lizzie, the rest being all out. The fuschias beat everything I ever saw before of the kind —

FRIDAY 26

Morning up early, Charley asleep but sick, don't wake him but off to Dr Paine's where I spend the greater part of the morning and have four fillings on upper right-hand side. Then go up to Cos. but K. is out at Lorquins. Go down to Custom House and to tailor to get measured for uniform. Afternoon write out directions for the Captain of the Palmetto to collect by. Evening go round to the Occidental Hotel and call on Mrs Raymond with Kennicott. Things look more comfortable in regard to prospects than hitherto.

SATURDAY 27

Morning down to Dr. Paine's, who fills first molar with gold, a very large cavity and a very painful operation, unusually so. At half past ten down to the Custom House to see if Donahue has seen the Captain of the Palmetto. Has not. Up to Cosmopolitan where after some discussion in which K. was very unjust to me, I give him a few plain words. Afternoon get together an equipment and get it aboard the Palmetto but fail to see the Captain. Have a hard row back with Mike. Evening, K. goes to the theatre.



SUNDAY, MAY 28, 1865.

Went to Mr. Stebbins' church. Got there early and spend some time looking over the arrangement of the church and at S. Starr King's monument. It is very simple yet elegant. Went into Capt. Noyes pew who with Miss Noyes was present. After service walked down town with him, and then called on K. at the Cos. Found him out, went round to Capt. Noyes to dinner. Met Mr. Chas. Wendte from Boston a very good fellow. Had some music and in the evening an interesting theological discussion.

MONDAY 29

Prepare to go out dredging with Charley. Board the Shubrick, and take the "first-cutter". Neither Andrews nor Winship were able to go, and we were obliged to take second Lieut. Glover as officer who afterwards proved totally ignorant of the proper management of a boat with a sail in a head wind. Went over to Goat Island dredged round the northern point - tried to beat back but were kept from 11 to 4.35 beating about and twice nearly capsize. Landed us at Hunter's point & we walked 6 miles into town beating the cutter then. Tide & wind in the bay are awful. Called on Mrs. Taylor in the evening. with

TUESDAY 30

Kennicott. Morning. Go up to Cosmopolitan and meet K. Go to tailors & try on uniform. Fits well but is damned uncomfortable. Call on Stearns for a minute & get letter to Gabb. who is just come to town. Go to the stationers, to Geological Survey Rooms, to Alta office where I saw some fine minerals. Board Barque Palmetto and find it too rough to dredge. Go down & see Barque Golden Gate on which I may spend many days yet. She is a fine vessel and beautifully fitted up. Live in the Cosmopolitan but does not reach K's wing. Look at Cole's Microscope and go to Mrs. Taylor for K in the evening. After sleep in my room tonight

WEDNESDAY, MAY 31, 1865.

Morning early down to Cos. with things from C. A. J. Cos. office for Kennicott who is off to Napa to stay over night with Col. Bulkley & Prof. Jno. Torrey. After they are gone see Capt. Scammon for a moment about Capt. Somebody stationed at Acapulco. Down to Dr. Paine's & have some more filing & grinding done to my teeth. Call on Gabb with Stearns and look at some fossils & shells of the Geological Survey collections. Up to Cos & wait for Capt. Scammon who don't come and in evening go round to Stearns' house with some shells. Back late.

THURSDAY, JUNE 1

Fast-Day for the national loss in Abraham Lincoln. Up late & go down to Dr. Paine's where he works four hours filling one tooth and draws one. Up to Cos, nobody there. Down to American Exchange where I write draw Lymneae &c till dinner. Loss of blood & consequent weakness make me some what nervous. After dinner down to Cosmopolitan where I find Kennicott got back from Napa with Dr. Torrey & an enormous pile of plants which he has obtained there. Go & spend part of the evening at the Scammons & discuss sea elephants & cetaceans.

FRIDAY 2

Morning, jaws pretty sore; tell Dr. P. that I won't sit to-day. Go up to Cos. Kennicott out. Get Denison, Dyer, Ennis & myself at work writing the directions about measuring cetaceans. Make a drawing of a whale. Go to Dr. Kellogg & N. G. Bloomers and find the price of electrotyping it. Go to touch with Stearns and with him to Lowe & Bacons. Down to Golden Gate, meet Capt. Scammon, and give him papers. &c. Down to Cos. & to dinner. Evening up to Cos. K. off to theatre. Go round & see Dr. Ayres.

SATURDAY, JUNE 3, 1865.

Morning, Kennicott busy, go round among the booksellers looking out for a small library on scientific subjects, to take aboard ship with us. Go to the best bookstores in town but find nothing except at N. H. Bancrofts & Co's. They have a very good assortment. Afternoon, go about town with Kennicott, get my uniform, and other errands. Evening, go up to Cos. for a few minutes then up to Mr. Stebbins, where I see him, Mrs. Stebbins & Prof. Ashburner, and talk somewhat about K.

SUNDAY 4

Go church at Star Kings. Mr. Stebbins preached a rather dull sermon on Temptation. Mrs. & Capt. Noyes at church. After Church walk down with Capt. Noyes to Am Exchange, write letters till three. Then go to his house to dinner. Spend most of the day. Miss Noyes is engaged to a Mr. Wilson now in New York, son of Gen. Wilson. Go round to Cosmopolitan but find K busy finishing up his papers for Prof. Baird so I go down & write. Stearns comes into my room and talks with me about Gabb, shells, The Cal Acad. of Sciences &c —

MONDAY 5

Morning go about town with Kennicott. Down to the Calston House, being dead broke but can't raise the wind. Hyde is a c.a.d.d. also a bit. and to.e. After 2 o'clock go out over the chapparal west of the city, get a specimen of Eutania elegans, Kell. and many insects Kennon also gets some animals. Go to the meeting of the Cal. Ac. on Clay St. very amusing. K makes them an offer of exchange or donations if a list of desirables or specimens be sent. C. J. Jackson, there. After meeting, go to Cos. & meet Dr. Paines with Col. Bulkeley. walk down with him.

TUESDAY, JUNE 6, 1865.

Morning go round to Dr. Paines but find him out. Go up to Cos. Kennicott also out. Come back and sit two or three hours under the filling &c. Make a recess go round to Geimans and order gold cord on my blue pants &c. Back & sit another hour, then up to Cos. with Kennicott go down to Oakland Ferry. Come back to Exchange and write. News that Scammon goes but with out Govt. pay. Go up to Cos. meet Wright, Kennan, and Bush walk out to end of New bridge with 'em.

WEDNESDAY 7

Morning go round to Dr Paines and have my teeth finished, filed, filled, scrubbed, jerked, Twisted and generally aggravated. Bill for neat little sum of one hundred dollars in gold. Nineteen cavities filled and one tooth pulled. Afternoon, up to Cosmopolitan see Kennicott, start off over the hills west of Pacific street with Kennan, find some insects. Evening go down to Stearns house, look over his collection of California coppers. He gives me a specimen of the telluride of gold and silver from the Malobes mine Calaveras Co. very rare indeed. Have it sent home.

THURSDAY 8

Morning, Some face ache, very disagreeable from the continual racking my jaws have had during the last few days. Go down to Golden Gate to see if there is anything to be got to do. Get some papers to copy which takes me a good part of the day, but is finally done. Down to her again but Capt. S. is away. Go to Cookes with orders for labels and in evening down to the Noyes' but all out. In a fit of disappointment and faceache go out to Capt. Scammon's and spend the evening

FRIDAY, JUNE 9, 1865.

Faceache like the devil. do some writing for Capt. Scammon, carry it down to the "Y. Gate" D. M. Jarvis and Count Abbassá arrived to the consequent exaltation of the irrepressible K. Yesterday afternoon went down with Kennan to the "Verba Buenas" graveyard, a perfect abomination of desolation. It is a disgrace to a civilised community to have such a place in its reach, unremedied. Nothing to do in the evening. So I go down to Hunters point over the New Bridge with Wright, Bush Lebourne, Kennan and Black. Have a jolly walk, down to Tel. office, to Cosmopol and home.

SATURDAY 10

Morning sans ache, but still tender. Up late and have a call from K. when at breakfast. After breakfast down to Custom House, meet K. get \$5.00 down with him to Behrens, thence to Cosmopolitan, meet Kennan down to opp. office with him, thence to Behrens with things for Bischoff, thence to Custom House office thence to Mercantile Lib. office thence to "Golden Gate" and to the St. Wright, thence to the Am Exchange and write up Journal. Afternoon meet Dr. Sorey up at Cos. also Mr. Williams the artist spend a good part of the evening with them in Col. Bulkley's room.

SUNDAY 11

Morning. Up to Cosmopolitan, K. not there. Over to Mercantile Library and read June Atlantic with a good piece by Gail Hamilton on chickens. Mr. Stebbins to church home with Capt. Noyes who makes me a present of a quadrant, and case. Stay to dinner and after tea walk out to the Potrero through the south Park where Prof. Miels' establishment is. (The Prof. offered me the use of his hall to lecture in the other day.) back to house, thence to Cosmopolitan and home leaving quadrant for Alferts inspection.

MONDAY, JUNE 12, 1865.

Morning. Up to Cosmopolitan. Denison not there nor K. After in; work over quadrant and get some idea how to take altitude and time observations. Go down to the Golden Gate. Scammon not there. down to Custom House, thence with Lebourne to barque and steamer. Scammon in pits about Ayres & whales. Respectfully decline mixing with the matter. See Kennicott & Denison in aft. Kennan off for Virginia City for a week. Provide him with bottles &c. Evening call on Miss Bowline with K, thence to Stearns, thence with him to Occidental where I meet and have a long talk with Mann just from Honolulu. S. D. an old Cambridge boy.

TUESDAY 13

Morning, up late, Denison in, writing up, on Cal. Ac. Proc. down to Cos. thence with K. to opp. office. thence to the Rolling Moses, who starts at 12. Meet M. Klinkofström, lady & daughter go over the Gate & Wright with them K. & Count Abbassá. Return and go to Custom House, to Geimans, Van Tassels and Am. Ex. thence to Cos. Bischoff. brings in a fine lot of things from Behrens. Up to Cos again Read with Denison a while, Evening, go to Chappels Mr. Stebbins, Major Williamsons, Mrs Raymonds, Cos and home - Mrs R. gave me some beautiful carnations.

WEDNESDAY 14

Morning. Down to Cos. find K. & After in bed. No signs of Denison. Go to see Behrens, and meet Hendrickson there see Chappel about alcohol. Step in to see Mr. Noyes & up with him to Mr. Burlings; who is out. Up to American Exchange & arrange some flowers & a rhyme for Miss Noyes. Up to Cos. Stay awhile off with after to Major Williamsons where we learn a good deal about the use and workings of the Barometer. Back to Cos. K. tries to make snakes drink but they won't. After dinner leave bouquet & note for Miss Noyes. Write to Sadie, see Bolander. Mann gone to Yosemite for two weeks.

THURSDAY, JUNE 15, 1865.

Morning, went up to Cos. Find After not there, start for Major Williamsons with K. Meet after, go up and find the Major at home. Mr. Demeritt explains and shows us the method of cleaning the mercury and taking out the glass &c, &c, with regard to the barometers. Stay till 1 o'clock. Then back to Cos. & down to Mr. Burling with Capt. Noyes. B. promises letters to Nicolajsk at the mouth of the Amoor R. Got from ^{Saw Wright at Bk of Cal.} Chappel the alcohol (5 gals.) Saw Mr. Neplum at Cos. & Dr. Torrey, who is off for Sta. Barbara tomorrow. Evening, 40 to see the Noyes, where we play cards &c till late

FRIDAY 16

Morning, oversleep myself. Go down to the Custom House, see Chappel, get \$25.00 on a/c, go up to opposition steamer office, knot there. Pay Geiman, put in letters for tomorrow's steamer. Up to Cosmopolitan K. not in down to op. office again not there. Make out a/c with him, get up plan for repairing trunk. Afternoon get out an out fit for ~~repair~~ Ketchum and Pease to take up country. Charley misses his revolver, probably stolen. Go out to Capt. Scammons to spend the evening, back late to the Cos. & have a spot with K. about the parsimony of the Company -

SATURDAY 17

Morning, Charley & Ketchum get their traps together and start off ten miles on the San Jose R. K. on a grand collecting hunt. Spend all the morning at the Cosmopolitan Hotel labelling, cataloguing &c the specimens collected hereabouts, of which old Bischoff has got the largest number together. Go aboard the Shubrick and get the dredge on board the "Gate." Down to Dr. Bush's and have a pleasant talk with Dick B. After dinner go up to Leo, and sit till eleven with poor Wright who is sick with remittent fever. Talk also with K.

SUNDAY, JUNE 18, 1865.

Morning to Starr Kings church, Mr. Stebbins preaching, text. Seek ye the kingdom of God and his righteousness, a dry sermon as most of Mr. S's seem to be. After church step in to Cosmopolitan and see Kemmick, Chappel and Abasa, &c, also Col. B. for a moment. See Wright and Arnold. Then to Am. Ex. where I repair my trunk, then to Stearns at 515 Geary street, to dinner. Evening walk down with him to the vicinity of a large fire on Market St. & watch it some time. Then to Am. Ex. finish trunk and down to Cos. to sit up with Wright till am.

MONDAY 19

Passed a fair night. Wright rather feverish but had some sleep. About seven go into K's room and back to Am. Exchange to breakfast. News that Field of the Fraser Ex. jumped, came back and is in town now. Go up to Brevoort House and back to Cos. Go down to Geol. Survey Rooms with K. to see Field. Thence to Custom House office & to Mr. Burling. Afternoon go down to Golden Gate & Wright, but miss Capt. Scammon. Donoghue is disgraced for tattling, and drunkeries. Spend most of the evening in K's room. Charley and Ketchum bring back some good

TUESDAY 20 Things from out of town

Wright better. In K's room most of the morning. Morning, down to Cosmopolitan, sort and label the specimens that Charley & Ketchum brought in from the country, which were very good things, and a good many of them. In the afternoon label and catalogue all the collections on hand and not already numbered. Evening, go down with K. and Count Abasa to M. Klinkofstroms, the Russian Consul, where I meet Madame K. her husband, two daughters and her grand child. Miss Olga gave us some pleasant music

WEDNESDAY, JUNE 21, 1865.

Morning, down to Cos., and taking a seine and bottles and a beating net, and take Charley Pease and the eleven o'clock Oakland Ferry boat, the celebrated "Washoe" who has blown up and killed over 500 people in her day and is still a most comfortable boat. Arrive and find a target shoot coming off at the park. Collect some good fish and insects and returning at 5:55. Meet Madame Klinkofstrom & daughters on the boat. Evening, Call with Mr. Kennicott on Miss Bowline and pass the evening at Capt. Scammon's. Returning warn him of over confidence in his men after discharged.

THURSDAY 22

Morning, Around town with K. & the boys looking about uniforms, shoulder straps & such. Into Wm Burling but letters not signed. Meet Jay Chappel & step into Rulofsen's, meet Hyde, into office; up to Cos. & blow off steam on the subject of the Expedition. On it. I have lost all confidence in our Commander and in the value of this year's operations, not only in scientific but telegraphic purposes. Call on Capt. Hayes, meeting Mr. & Mrs. Spring then calling on Wendt who is out then down to Mrs. Denison's and Mrs. Taylors. Back late & talk late with Charley about prospects &c.

FRIDAY 23

Morning. Pack up my shells in a box. Down to the Cosmopolitan and copy into the book Stearns gave me the outline of the Russian chart of Norton Sound. Prepare to pack up traps to send East. Strong hopes of being off next Wednesday. The Scientific work this year is a failure. no outfit bought & delay the reason. After noon Go with Arnold buy bottles. Get letters from Burling to mouth of Amoor. Order pants. K. goes to Klinkofstrom with uniform, and I go to call on Miss Bowline & spend the evening. Have some good music.

SATURDAY, JUNE 24, 1865.

Morning, take Sci. equipment down to the opposition office pack everything as compactly as possible in the alcohol chests &c. Get Adams, Smith, Azimora, Mike & Barge, and Charley Pease, to help. also pack tin of alcoholic specimens to send East. Take Sci. Eq. down to the barque "Golden Gate" and see Mrs. Scammon, Davison and the Capt. of the Wright. Have to go down afterward to see about marking them. Kemman returned to day from Virginia, Nevada. Evening, Go round with K. to the Klinkofstroms where we pass a pleasant evening with music &c.

SUNDAY 25

Morning, after breakfast go down to the Asp. H. there & talk till half past ten. Go to Consul Klinkofstrom and go with Miss Olga, and himself to hear Dr. Peck (M. Ep.) preach. After sermon a subscription opened to close off the church debt. The Dr's. style was highly amusing. Take dinner with them and in the afternoon with Miss Charlotte de Ro., and Papa Klinkofstrom & the girls & the Captain of the big Olga, walk out over Mission Bridge. Stay to tea & part of the evening. Have some singing and a good time. See K. late, & Mahood. I have seldom passed a pleasanter day.

MONDAY 26

Morning. Go up to Cos. Col. B. inquires of me about the whiskey jug. K. out. Down to office present bill & get \$2.50 from Chappel. Go down to Opposition office take Popes box to the barque. Mark the Scientific outfit. Up to K's room pack up remainder of birds. Steamer in, Golden Rule lost. nobody hurt. Drunken Captain. Down to office, back to see Col. B. about boxes &c. Draw map see Mrs. Scammon. Doubtful if the two Rev. officers go, as they struck for higher wages. Meet Stearns. Go to Acad. see Mrs. Raymond. Spend part of the evening with Wright.

TUESDAY, JUNE 27, 1865.

Morning. Down to the barque Golden Gate. Capt. Scammon not there. K. & P. pay me my debts. Get the Army Regulations for K. Meet Harder and Bendeleben on the "Gate". Walk up with B. Stop at the Bogatyr Saloon for lunch. Try fresh figs, which taste like rotten peaches, devoid of flavor. Cala. olives too, which are very oily tasting. Go up to Cos. later down to Custom House, & then down to the "Gate" with K. Mark every cussed individual one of the Sci. outfit packages & cans, about 55, in all. Hyde don't go to Asia. Abasa will go with Kennan & Bush. Evening go out to Capt. Scammon's with K. and discuss etc.

WEDNESDAY 28

WEDNESDAY 28

WEDNESDAY 28
Morning. Up to Cosmop. See Kennan and down to the Golden Gate for the papers, rules &c. Step in & see Stearns who goes to day across the Bay. Go to Cos. & office & Tel. office after Kennan. Can't find him, leave signal book with Denison & leave on 1 o'clock boat for Oakland to see Dr. Newcomb. Look at many fine shells, the Doctor giving me some, and return at 5:55. Write up remainder of signal book and take it up to Wrights room. Find him in. Mahood, Kennan, Ellis & Kennicott come in. Get up a design for a scientific shoulder strap consisting of two cockleshells in silver or gold at the ends.

THURSDAY 29

THURSDAY 25
Morning, Go down to the Cosmopolitan see Wright
& Kennan in their rooms. See K and show him des-
ign for strap &c. Show it to the Col. & get permis-
sion to go on with it. Down with K. to Geological
Survey Rooms to borrow a Pecten for the engraver
to copy. Get *Ianira bella* fossil. Take it down to
Grays. Go to Mercantile Library & copy a *Bucchus*
for pin. Take that to Grays. Go to bank, get pants
go to Alta office, up to Chappells room. Down to
Cos & back to Am. Exchange & write quite late.

FRIDAY, JUNE 30, 1865.

Morning. Up to the Cosmopolitan and down to the rooms of the Geological Survey. Get drawing of Anomala? from Mexico, by young Ross Brown. Look over tables Achatinellas of which he has a fine show. Go to Office at Custom House with K. and see Col. about book & get "Smiths" Carpenter on the microscope". Take it to his room and have the bill approved. Get some chess men. Down to the barge at four but she don't haul out till tomorrow. Mann come back from Yosemite, had a fine time. Go up to his room and stay a while. Evening, brush up & go round to the Klinkofetrons Olga & Jennie at Oakland. The Olga starts Monday & Abasa —

SATURDAY JULY 1

SATURDAY, JULY 1

morning. Down to Cos. See Charley & Kennicott.
Down to Custom House office & present approved bill but
that cuss Chappell aint got any spondulicks. Down
to Grays and get peeten & silver scallops, they are fairly
well done. See Van Sassel about straps. Go to Am. Ex-
change, then to Opposition office & finish pack-
ing up shells & things. afternoon get bug & str.
See Mahood & the boys here. Evening. See K at Cos
Go down to see Miss Bowline, (out) & Mrs Taylor. Go up
to Cos. & see Charley who's poisoned by a sp. of Rhus, &
spend some time with Dr. Torrey and Col Bulkeley.

SUNDAY 2

Wake at 6.30 just before the man comes to call me. Dress in full uniform and go up to Cosmopolitan and rouse K. and we go up to Capt Scammone to breakfast. Walk down with him to the Wright & Golden Gate which have rec'd their guns. Stay some time; go down to the ~~American Exchange~~ and write out directions for collecting. Also some letters home. About five and a half o'clock go down to Golden Gate and meet Harder, then go up to Mr. Klinkofstroms and take tea. Spend the evening very pleasantly and walk back with H.

MONDAY, JULY 3, 1865.

morning. Rise early and after a hasty breakfast go up to the Cos, meet Kennan, and go to the barbers and Dr Paines with him. Meet Bush and Arnold. Go down to Consul Klinkofstrom's office and meet the young ladies and Kennicott. Go down to the Wright & see Abasa, Bush, Mahood, and Kennan off for Liberia. Then down to the "Gate" with the girls and home with the party, stopping with Mrs. K. to make some purchases. Get a room in Herald's Block for tomorrow for the ladies, out to tell them & Mrs. Scammon. Capt. S. promises us some chairs. Even. Go with Torrey, Mamm Wright and Stearns to meeting of the California Academy.

TUESDAY 4

morning see Kennicott early. Get chairs from the Golden Gate and take them to Room No. 5 Herald's Block. Back to Cos. and up to Park for the ladies, Mrs. Klinkofstrom and family, Miss de Ro and Mrs. Scammon who occupy the room during the passage of the procession which was poor, the military & naval blacks & whites making all the show. Up with the ladies to dinner meet the Dutch Consul. Capt. S. & Col. B. call while I am there. Go up on Mrs. Ladd's roof to see the fireworks which are a fizzle and pass the evening pleasantly at Mrs. de Ro's. Walk back with Bugbee and Mr. Horner. Stop at Cos & see Col. & Ch. Paine.

WEDNESDAY 5

morning. Go to the Cosmopolitan & from there with Kennicott, to the office of the Lt at the Custom House. Present bill of lads but don't get it honored. Have news that we are to start Saturday and look up blankets, bedding, &c. Go up to the Cos. represent the facts to the Col and ask for \$150.00 Col. will see about it. After dinner go up to Capt Noyes with bundle of shells clothing, &c. Mrs. Noyes has been sick sit in Ks. room and write home. Evening, read paper Mr. Bross gave me after going to the bark with him & seeing Capt S. call in the Col's room and find Mrs. ~~Wright~~ & go home with them.

THURSDAY, JULY 6, 1865.

morning, oversleep myself and get up at Cos. about 9 o'clock. Go down to Bradleys, and get my photograph taken in uniform. Then go up to Cos., and stay a little time, meet Charley Pease and get his photographic card. as Nydi's order is no longer good. Go up to Capt Scammons and wait some time for him, and when he comes take certain orders. The Capt. is much worn by dyspepsia. Can't get aboard the Gate who is the steam, but give the papers to Black. Evening, Col. promises some money. Chappel don't pay the Col's book bill. Call at Klinkofstroms with K. We are to be aboard the Wright, it's said, the 8th inst. at 9 o'clock.

FRIDAY 7

morning. Up to the Cosmopolitan about nine. Go down to the office with K. & the Carcajous. Wait there for some time and being put off for two or three hours, get rather furious and though I don't show it, I go up to K's room in a perfect raging fury inside. Get cooled down a little and go to Chappel again and about four in the afternoon get paid up, at the rate of \$30. gold from Mar to July 1. & to October 1, at the rate of \$50.00 a month, gold. Evening. Go round to Mr. Taylors for a minute and then to the Klinkofstroms and find Miss de Ro there; who goes into an extacy of "petite" fury over Horners talk.

SATURDAY 8

morning. Go up to the Cos. K. will go \$20.00 on sci. outfit to be expended at my discretion. Go about town and purchase pill boxes and drugs &c. Go with Charley Pease to blanket store and round town. Pack up small sci. mat two in a trunk. Get cigar boxes. After dinner get some small things needed for our fit & beat a cheating Jew at his own weapon. Pay Dr Paine. \$50.00 and my Smoo note for \$50.00 more. Meet Fred Foster my cousin here for health, his brother is paymaster on the Lancaster, now in port. Call on Mrs Raymond & Miss Bullene. Look for but don't find, Mrs Scammon's new house. Talk & see Agnew.

It seems likely well - on Thursday or Friday, north.

SUNDAY, JULY 9, 1865.

Morning. Go to trunk, and pack up many things. Go down to Cosmopolitan, and from there to Am. Ex. again. Then to Dr. Pecks church with Mr. & Miss Klinkofstrom. After a good sermon go home with Mr. K. and spend part of the afternoon. K. comes in. I go up to Mrs. Le Ro's and take tea. Meet Mr. de Ro and a Mr. Rogers. Get a number of photos. incl. Olga & Charlotte. Go down to the Ro's and bid 'em good bye then to Cos. get my quadrant, then back to Am. Ex. pack, write, work and fix up things generally for our start.

MONDAY 10

Morning rout out Charley and go down to an early breakfast. Meet Jay Chappel and go to P. O. & Geimans and wards shirtstore with him. Up to Cos. meet K. & Charley. Go to bid Stearns and Gabb good bye. Go down to the Market Street wharf and wait. Mr. Klinkofstrom, Behrens, Van Tassel and many other friends of the boys come down to see us off. Go on board with Harder who is my chum; in the first boat. Get luggage all right. Rest come aboard at various times. About dusk the Wright comes along side and tows us into the Gate & leaves us there at anchor. Starr is ordered my assistant.

TUESDAY 11

Early in the morning, the Wright tries to tow us out but fouls her propeller with the hawser and we are obliged to stay at anchor all day. The Wright is towed off and beached on the shore to get the hawser off. The winds blow hard all day but calm down at night. Don't feel sick, though we have a heavy swell. Put room in order a little. I like Harder very much. He is quiet and a little odd. Our mess consists of the officers of the vessel. Wright, Arnold Chappel Sr. Lewis, Smith, Ennis, R. K. Conlin, Libbourn, Harder, Black and my self. We shall have a good time.

WEDNESDAY, JULY 12, 1865.

Called up at four o'clock by Capt. Scammon who is unwell with bilious attack added to his previous prostration. Give an opiate & carminative & taking two biscuit and the gig, go up to town to see Dr. Ayres. Obtain some drugs left out by culpable negligence, and a pair of scales to weigh them out with. Bring the Dr. down to the ship after breakfasting with him. Stay with the Captain & prepare medicines most of the morning. Afternoon about four "Wright" comes & takes us in tow and we stand out westward from the Gate. Appointed acting surgeon which relieves me from guard duty. Toward evening Col. Bulkeley & Black whom we thought left behind come aboard from the Wright. Discipline will come into play tomorrow. Capt. tells

THURSDAY 13

about five o'clock turn in to Drakes Bay about 32 miles from Frisco. Lay here a good part of the day. At eleven it is decided that the Gate goes direct to Sitka and the Wright to Victoria. Transfers of men & cargo are hurriedly made. Mr. Hyde comes aboard the Gate, and Col. B. Lewis and Kennicott go to Vic. Write home & to S. Fr. in a great hurry and give to K. to post in Victoria. Also get him to get me some out-fit there. About three o'clock start out of the bay and take leave of the Wright. Sail in a southerly direction. Captain much improved. Several cases of illness on board, none serious.

FRIDAY 14

Called up early in the morning, with Capt. Scammon. The Gate skips along as merrily as a young goat, and Davis asks me piteously if she isn't going to tip over, as she bends under the stiff breeze. Feel some bilious symptoms & take two of my own pills. Course mostly S.W. by W. and the breeze dies away after the edge of the morning is past. Lay low most of the afternoon and feel rather blue. Wright overhauls some of his duds and gets out some of his medicines which I take under my charge. Have some bookshelves put up in the afternoon.

SATURDAY, JULY 15, 1865.

Feel poorly in the morning and pills work pretty thoroughly. Capt. Seammon again troubled with nausea. It is a very difficult thing for me to work with confidence in his case, it is so idiosyncratic. Catch two shearwaters, male & female or old & young. Let Bischoff at skinning them. Put ship on N $\frac{1}{2}$ W course. Arsenic can't be got at till Monday. Pease and the babies growl about having the birdskins put amidships. Get the Captain's permission to put them in the after cabin. Captain still poorly but generally better. More of a breeze springs up toward evening. Read Agassiz's Methods &c.

SUNDAY 16

Early morning a squall comes up and makes the sailors fly about to wear ship & take in sail. It is in a favorable direction however and we go ahead very well under top & mainsails. She pitches somewhat but not badly. We have several additions however to the sick list. One or two of gonorrhoea among them. Capt. slowly improving. About eleven though raining, we have inspection and dress parade. Afternoon have a sudden & painful attack of the gripes. Take some whiskey which Wright kindly brings me.

Vessel spins along about four and a half knots an hour. Lat & Lon at 8 o'clock A.M. $35^{\circ}29' N.$ and $125^{\circ}12' W.$ 9 or 10.

MONDAY 17

Morning, fair and beautiful. Captain slowly improving. Addition all cases of disgusting diseases come out. We are going about six and a half knots per hour. Saw a number of porpoises. One of the boys amidships named Davis. I find has been playing "old sojer". I have given him enough medicine to lay out half the ship's crew; of which he has thrown away some, distributed some among his friends, taken & brought up, some and shirked generally. Evening. Go down into the Captain's cabin and talk with him to divert him a little. Wright comes down too, after a while. Play euchre with Norton and turn in.

TUESDAY, JULY 18, 1865.

Morning, called up by the Captain to see the Portuguese man o' war, (*Velella*) floating in myriads on the surface, like little cockcombs of jelly perfectly clear and glassy the tentacles hanging into the water below; a host of purple fringes. Wind slackens off a little. Weather warm clear and delicious. Old Bischoff better. Give Davis two ounces of Epsom salts and send him below. Get out the Russian grammar and work out the alphabet. It is rather tough work however as the Grammar is in Russian, text & all. and Harder is not a fine English scholar. Libourne helps me a good deal. Go in and talk with Capt. Seammon. Mr. Hyde advises me against R.

WEDNESDAY 19

Morning. Give Davis 15 grains of calomel and ten of rhubarb. He shall not waste much more medicine if I can help it. What he does with it, is more than I can imagine. I see him take it before my eyes but he asserts it has no effect and he seems perfectly well. Break into the lower hold today, and get at some of the scientific stores. Work also at the Russian Libourne helping. One of the cabin boys runs a splinter about an inch and a half into his hand and I have a pretty time cutting it out.

THURSDAY 20

Morning. Go the rounds and nobody sick. Work a little on Russian with Libourne. Captain reasonably well but uncomfortable and depressed. Get out three millinet nets from the large Alcohol Chest, and rig out as a scoop net for Smith, one give to Ketchum and rig one as a floating net to catch *Physalia* and *Pteropods*. Try it over the side and it succeeds remarkably well. and in Lat. $35^{\circ}40'19'' N.$ and Lon. $133^{\circ}54'30'' W$ get little blue crabs, *Leleodora*, *Hyalea*, numerous nondescript and plenty of *Physalia* all far from land.

FRIDAY, JULY 21, 1865.

Morning. Captain had a very bad night. Break into the lower hold and get out some bottles and alcohol. Go over the captures of last night and put them in alcohol. Paint in watercolors the *Cleodora*, and most of the other marine animals which were caught. My net works very well, and holds out well. Harder catches another shearwater, and he is killed to be skinned tomorrow. Give Davis, first explaining a rattling dose of calomel. Evening play cards euchre &c with Libourne Harder Conlin & Norlon.

SATURDAY 22

A fine day clear and warm, with a little rain at noon. Ship tacking most of the day back & forth. Get a box on the cabin house to keep my birds in. Harder casting bullets for the ship and some for our guns. Captain much improved taking his dinner & supper with Mr. Hyde. Spend a good part of the day in painting the Portuguese man-of-war, and the *Atlanta* which were recently captured. Make some pretty fair pictures. Call the *Atlanta* provisionally "*Scammonii*" which tickles the Captain. Davis has a passage through the agency of 30 grains of calomel and 2 of Epsom Salts.

SUNDAY 23

Morning drizzly and wet, as usual on inspection days. Lay round reading *Magdalen Hepburn* for the third time. It is a sweet and beautiful story. Muster at 10.30. Make the tour of the ship with Captain Scammon, Mr. Hyde, Lieut Davison, and Adj. Wright. Everything beautifully clean and nice except the ward room water closet. Get some beautiful specimens of the *Physalia* and *Janthina bifida* and *globulosa*. Make sketch in colors of the latter. Green peas fresh beef & plum duff for dinner. Russian a little after noon.

MONDAY, JULY 24, 1865.

Morning. A seven knot breeze has been blowing all night and we are going along merrily to the course of NNW. & N. which is a pleasant relief to the monotony of the last two days in which we have made but twenty-two miles. Say my first lesson in Russian to Mr. Libourne, progress but slowly. The tug of war is evidently learning the alphabet. The pronunciation and spelling. The grammar is comparatively easy. Write up notes on *Janthina* and other recent captures. Spend the evening in the captain's cabin & discuss the affairs of the nation. Mr. Hyde lets on, freely says he likes the army &c, and defends Sherman doggedly.

TUESDAY 25

Morning. Rout out Harder a half hour before his time much to his disgust. Spend most of the morning in writing out in Russian the first page of the "*Omymto Poccuero-Amerukastekou konnaxiu za 1860 goda*", and succeed quite well. Libourne has no patience unless one knows perfectly what they have been studying, in which he is not far from right. Throw the trawl net several times and get some small fish and some *Salpae*, and a great many of the "*Velutae*" and a very singular looking specimen of a shrimp.

WEDNESDAY 26

Morning. Orders for all hands to drill with Sharps carbines except adjutant, surgeon, quartermaster & Bischoff, which is very nice for me, as I can look on and see the others drilling, and keep my hands in my pockets. Get out a muggle for Cook. Practice in the morning with great guns blank, round shot & shrapnel. Spend most of the day trawling and get some good things. *Pteropoda* & three species of *Janthina*, and a number of crabs. Sight a bark on our lee about 15 miles off. Spend most of the evening with Capt.

THURSDAY, JULY 27, 1865.

Morning. Start with the idea of studying up my Slavonic, but on throwing out my net find the Pteropods so thick that I nearly fill an eight-oz vial in a couple of hours. Get some pretty blue barnacles floating on the surface attached to a sort of froth. Russian as a consequence immediately falls below par. Duff for dinner. Ennis & the boys at drill. Some trouble about old Bischoff, who smells badly, as he hasn't washed since he has been aboard. Mr. Hyde gives me a photo of Belinger map. Spend the evening reading Burns with Capt.

FRIDAY 28

Morning, fair wind and flowing sea; on a run by N & E N. course, which points directly for Sitka. Made a degree and a half latitude yesterday. Go down into the after-cabin and begin painting a set of signals for boats &c. The captain shows me a fine paint-box, palette & crayons, given him by the Prince Macoutoff at Sitka.

Nearly finish the set, make a colored drawing of the Hyalea &c and go to work writing Russian in the evening. Capt. shows me some of his machine poetry, which is really quite good.

SATURDAY 29

Morning. Work at Russian with M. Libourne, but get on slowly. It is d-d hard, to speak mildly.

Starr has a stiff neck, gunner has ulcerated sore throat; a bad case of secondary symptoms on the fore-castle deck; Adams all right, Smith worse.

Old Bischoff poorly, a poor looking list. Look to Sci. interests as today is the last break-out till Sitka. Get cans boxed up. Work on flags in the afternoon. Spend most of the evening with the Captain & Mr. Hyde. I must get up a scientific flag for my boat.

SUNDAY, JULY 30, 1865.

Morning. Ananias arouses me with, "Get up you dashed lazy Turk," in thundering accents, indicative of regular hash around the Horn, and speaking volumes with regard to the fate of snits & duff. Muster, cloudy as usual, all passed off well. Lobscouse for lunch. Oysters, green peas & duff for dinner. Weather growing colder. Read Montaigne and find him vulgar & rather stupid. Pass the evening in the cabin, talking over the old Scammon farm & family in Stratton, N.H.; the fortunes of Eli & his sons, and the old grand father Parker. Also talk over Mt. St. Elias, whales, photographs birds &c with Mr. Hyde.

MONDAY 31

Morning. Dull and chilly. After breakfast read Russian for a short time and retire to the quarter deck where I find Mr. Hyde on the house with a broad expanse of muslin spread before him where he is to delineate with brown ochre & vermilion the eagle for the Revenue Jack. Work on flags somewhat. Design a flag for the scientific corps, a blue cross & narrow border on a white field with a white Pecten in the centre. It will be quite neat. Paint the Scallop for the flag. Wind seems to be dying away. Spend the evening in the cabin. A dead calm about nine P.M.

TUESDAY, AUGUST 1

Morning on perfect calm. Birds, shearwaters in the wake of the ship but too shy to capture. Throw out my trawl but caught nothing but eggs of some fish. Got bunting from the quartermaster and cut out and sewed on my flag. The shell is quite dry & looks well. The recall for a scientific party will be a plain red flag. Dine by invitation with the Capt & Mr. Hyde, also Mr. Black. Finish painting on the sheet of signals and get a good deal done on my own flag. Still no wind. Vessel rolling & sails flapping like a "cradle of the deep."

WEDNESDAY, AUGUST 2, 1865.

Morning. Make some turpentine liniment, for the carpenter's rheumatism. Set to work & sew steadily on my flag and nearly finish it except the edging where the halyard goes. Sew nearly all day. Just before dinner hear a cry of porpoises! and go up on deck to see Mr. Walker harpoon one, but owing to not hauling in quickly he was lost. A number of whales were seen by some of the boys. Finish my sheet of signals & flags for Capt. Seaman. Harber dines with the Capt. Talk Poland with Libourne who I hear from Hyde, is Austrian.

THURSDAY 3

Morning. A heavy sea on, and considerable wind but rather on our beam, so we have to knock off about five points which would bring us nearly to Queen Charlottes Island. Lat. $54^{\circ} 14'$ No longitude taken. Some of the fellows sick but do not become so myself. Try to work on my flag, but the air in the cabin is too much for me and retreat to the deck. Cook is sea sick & our dinner consequently is none of the best. Ananias & Libourne dine with the Capt. Get out a "Song of a thousand years" & start to learn it.

FRIDAY 4

Morning. Things rolling about beautifully. Waked up about 3 A.M. by Cotter who has strained his wrist. Give him a wet compress & turn in again. Day cold & cloudy. Try & work a little on Russian. Rolling so I can't write, too cold to read on deck & sickish in the ward room. Ananias comes down more suddenly than gracefully in the morning on deck. Try fishing but nothing comes to hand. See what I take to be *Frigetta Lawrencei* Bon, a small black & white bird flying like a plover. Finish my flag. Rice for dinner which goes well. A large sick list.

SATURDAY, AUGUST 5, 1865.

Morning. Still a heavy sea on, foggy & chilly. Get out the Newcomes & read the first volume. Find it sweet & bitter like all Thackeray's writings, & but for a little overlengthening in some places, very pleasant. Get up a sharp discussion on Slavery & treason at lunch & pitch in promiscuously without fear of consequences. I never will truckle to treason or toadying in any case. Afternoon see many fin back whales spouting in every direction. See the grand old peaks of Point Frederick, Queen Charlottes Island, standing out above the fog. Tack when within 7 miles.

SUNDAY 6

Morning calm and comfortable. Land out of sight but numerous Mormon arcticus, & a hawk were seen scoting about; also much kelp floating. Muster passes off all right, & inspect the ship afterwards. Every thing in beautiful order. See numerous fin back whales spouting and see one quite near the vessel turning over in the water. Rain and mist in the afternoon. H. titillating but no results! Wow!!!! Write a long letter to mother in the evening. Only twenty eight hours from Sitka with a fair wind.

MONDAY 7

Morning, land again in sight. Prince of Wales Island. Throw my trawl & fetch up pine seeds and leaves and sundry little sand fleas & shrimps &c showing land is near. Hazy Islands in sight in the afternoon. Little volcanicy rocks. Mormon arcticus very uneasy in his mind about our intentions and a large flock come off to inspect us. See about having my boat fitted up. Col. Hyde very obliging. Speak to him about Alsimora. Pass the most of the evening with the Captain and have Jay Chappel copying my notes in the day.

TUESDAY, AUGUST 8, 1865.

Morning. All serene, too much so in fact. Robinson kindly volunteers to copy off my remaining uncopied notes so that I shall have that off my hands. Get the sail for my boat under way, and set to & make myself a dredging box, rather roughly but sufficiently good for the purpose. Try net over & get nothing in it. red slime, the whale feed. Clearing & fixing up for entering into port. Afternoon. all hands at quarters, exercised at the great guns at quarters to repel boarders &c. Read some in Moby Dick by Melville, awful stuff. Evening, in the cabin.

WEDNESDAY 9

Morning. Still calm. About 2 o'clock P.M. a faint breeze carries us forward at about two knots an hour. Mt. Edgecomb in sight and drawing nearer. Fish up bryozoa, barnacles & kelp. Label roughly our voyage series. Find a species of Lacuna or Littorina on the kelp. Fire four blank guns & two solid shot. Men exercised at quarters again. Am detailed by Mr. Hyde as surgeon to the "Golden Gate", being before only surgeon to the land forces on board; though actually doing all the duties. Come to anchor in the outer bay at 9 P.M. 210 ft water; two canoes & a Pilot come off. The Clara Bell & Steamer are here. Steamer arrived yesterday. Is now beached for repairs & will be off tonight at two.

Gov. of Sitka is away at sea. THURSDAY 10 & will tow us into the bay. Up early & find we are slowly but surely nearing the entrance to Sitka Harbor. The pilot is a half breed talking Russian. Enter the harbor, go round among the islands & bring up before the village with dipping flags & a reciprocal salute of twenty one guns. The town & Indians are very ugly but the islands are green & picturesque. The water is very clear and cold. The shores are mostly rocky. Col Bulkley comes aboard. Kennicott & Lewis & Chappell. Take the dingy & go about some, and get a lot of starfish, crabs, eels, shells &c. Let Harder ashore and talk with R. K. in evening.

FRIDAY, AUGUST 11, 1865.

Morning. Get things together to go out for the day, when the vice Governor is expected along side and have to rig up in uniform to receive him with military honors. After he is gone, get Pease, Adams, Mike & George Dow, and go up among the beautiful green islands and get some partridges, snails, a Jay, a sort of thrush, a pigeon-gull and numerous smaller things. Have a pleasant time and get back to supper. Go down to the Fish house with Alex & give one brace of grouse to Col. B. & the other to the Captain. Evening. Write letters home & to Frisco.

SATURDAY 12

Today is the Russian Sabbath. They are nearly twelve days behind the world, keeping all accounts &c by old style dates. Go on shore to witness the service in the Greek Church. They were very singular, resembling the Catholic. The church was plentifully decorated with gold & silver embossed pictures. Go aboard again and come again ashore in the afternoon with Kennicott & Harder and have a long powwow with three chiefs. Go afterward to the garden, the sawmill the river and along the beach & collect some Helices &c.

SUNDAY 13

Morning. Set to work and clean up one of the rusty old Russian sabres, to wear on inspection. It is the first inspection when Col. Bulkley and the marine officers of the other vessels have been present. Go with Col. B. & the Captain to inspect the Clara Bell & the Steamer. Afternoon about half past two draw up all hands to have a powwow with the two Kolosh chiefs and the Chilcat chief who was squirted on. Make them presents & give them dinner &c and after they are gone go down to Milton Badger just in. See Bannister & coming back R. K.

MONDAY, AUGUST 14, 1865.

Morning. After the usual series of annoyances and delays I get off in the dingy with Ketchum and Adams & Mr. Kennicott. We go down opposite the hospital and dredge till twelve o'clock, and get some good things. Come back to the Gate and go ashore again taking a book of birds &c to Mr. Zugeril for the Princess Macsutoff. Go to Dr. Fisher, Dr. Tölings and about town. Back and dine on board the Steamer. Board the Gate & get music, for Mr. Zugeril, which leave with his servant, go to Dr. Fisher & Dr. Tölings again, then up to the garden, drink "fifteen drops" and back to the Gate with Kennicott & the Captain in the rain.

TUESDAY 15

Morning. With the whaleboat, M'Crae, Norton, Moore, and Davis, and fifty fathoms of line, go down the bay and dredge all the morning. Get some very fine things, among others a crab hidden under his carapax like a Chinaman under his umbrella. Go back to lunch. M'Crae goes off and have some little discussion as to replacing him, the boys being mostly hors du combat from last night's drink. Back to dinner and put away most of our things. Change shoulder straps and spend most of the evening with the Captain. Coter back, the Mountain measures 3216 feet.

WEDNESDAY 16

Morning. Raining and wet. Get together my Pacific collections and label and pack them. Kennicott comes aboard and we go on board the Clara Bell and pack the Dr's specimens & our own in a box for Frisco for the S.S. Stay to lunch with Capt. Sands who is a whole man. Go back on board the Golden Gate and get out an equipment for old Bischoff who stays here till next year. Get them out finally, as they are breaking out. The Milton Badger alongside taking her equipment for the Anadyr Expedition under M'Crae. Bow does not go to Victoria in the Clara Bell. Make out list of medicines

THURSDAY, AUGUST 17, 1865.

Morning. Late to breakfast. Milton Badger alongside receive stones for the Anadyr R. Ex. which M. Rae commands. Dog Cooke is removed to her. Go on shore and see Dr. Fisher about men and medicines. Come on board and meet old Bischoff and help him off with his equipment, which is very good. Go ashore again in the afternoon and go up to the River and collect snails. See my little squaw at the hospital, and see Indians gaffing salmon. Norton goes aboard the M.B. Fisher, M.D. on the Gate. I shall resign my position as Surgeon as soon as he comes aboard. K. has the Lizzie Homer to go up the Youkan in, probably.

FRIDAY 18

Morning. Damp & chilly. Go ashore in the morning to find out about the Doctors plans, but get no satisfaction and go aboard the Wright soon after & see K. Things are gloomy as usual. It will be a direct interposition of divine Providence, if this Expedition ever comes to success under existing circumstances. Afternoon. Go ashore with Capt. Scammon to see Princess Macsutoff but she is unwell & can't receive. Capt. proposes & orders me to take charge of the clothing dept. Spend most of the evening arranging the Llopchest & cataloguing.

SATURDAY 19

Morning. Raining hard. Harter and the others packing up to go aboard the Milton Badger. Bannister comes aboard. Make all accounts square. Work all the morning at cleaning out after Alex. May possibly have the room to my self after this. I don't like my present position much but shall float with the current. Hydrophobia is generally fatal. Clean a lot of clamshells in the rain for the course of science. Evening. Talk with Mr. Whympur the artist who goes with us.

SUNDAY, AUGUST 20, 1865.

Rainy, but soon clears up, showing a fine clear sky for a short time. No muster. Dr. Fisher comes on board. Go on shore in the course of the day to see Mr. Lugeville who sent me by Mr. Bean some Russian books and a dictionary. In the evening, taking an official envelop to Mr. Ivanhoff, & the acting Gov. Stop at the Badger and bid the folks (anadyrs) fare well, having a song and a glass of wine there. Then to Mr. Lugeville's again where I spend one of the pleasantest evenings, with singing dancing and Russian games. Four ladies were present.

MONDAY 21

(My birthday.) all quite good looking, and I became very much interested in a young lady, the wife of Lieutenant Kilkoffsky commanding the Russian troops here. Have a generally jolly time; Mr. Walker dances a jig, and we come aboard in the rain about two o'clock this A.M. Sleep till seven. Rainy still. Mr. Kennicott aboard and we prepare to leave Sitka. Milton Badger leaves for the Anadyr River, and the Clara Bell, for Victoria early in the day. Many Russian friends came down and waited a long time in the rain, ^{to see us off} but at a late hour in the evening were still in Sitka harbor.

TUESDAY 22

Rise early and find the steamer getting up steam. Mr. Ivanhoff, Kräger, Lugeville, Andreis, Lieut. Kilkoffsky and others come down to see us off. We receive and return a salute of 21 guns and sail out of Sitka Harbor in tow, leaving the hospitable Russians to their rainy home. Our halfbreed pilot and an Alutian Islander go with us, and their bodarkie is lashed in the whale boat. The day is fair with no wind but we can see the rain around Mt. Edgecomb. See the Clara Bell in the offing in the evening.

WEDNESDAY, AUGUST 23, 1865.

Fair and cold. Mt. Edgecomb sunk out of sight, & a dark cloud only, over where it should be; reminded of rainy Sitka. Spend most of the day in cataloguing and packing our Sitka collections. They are very fair, considering weather, red tape, & shortness of time, &c. Get it all packed. As soon as I can get my notes written up, I shall take up Russian again. H. gets a spoke in his wheel about the watch. With the captain and Whymper in the evening. Rain again at night. Everything connected with the vessel works well, and the sea is like glass all day.

THURSDAY 24

More swell this morning. Nail a cover on to my box of specimens; direct it, and put it in my stateroom. Spend a good part of the morning in sketching some naked mollusca from Sitka. About one o'clock the wind becoming quite fresh, the steamer cast off the hawser and continued on her way under sail. We soon distance her, and about four in the afternoon, have to heave to, to let her catch up; which she does under steam and passes us about six, but doesn't take up the tow line. Spend the evening with Capt. & Whymper.

FRIDAY 25

Morning. The steamer is still far behind in the offing and for a good part of the day keeps there. Put out the trawl net and catch a new genus, a very pretty shell. Pteropodous, but only one specimen, and he dead. Spend most of the morning drawing and coloring some of the specimens obtained at Sitka. Dandybug for dinner. In the afternoon the Wright comes along side and the captain takes a whale boat and goes ashore, and the steamer then takes up her hawser again. Spend most of the evening with the Capt. & Dr.

SATURDAY, AUGUST 26, 1865.

Morning. Fair, fresh wind, and going right along in tow. Fling over my towing net but get nothing but fish eggs. Go below and sketch the animal and shell of the new Pteropod that I got the other day. Get out some drawing paper from below, and grind down a broken pair of scissors so as to be as good as new. Dr. Fisher brings out a number of the Smithsonian pamphlets & let's me have them. They will be very useful particularly the ones on the mollusca. In the evening write up my notes of Sitka. The Wright lets go her hauler and cuts away to windward again. Going 9 knots

SUNDAY 27

Morning as usual on muster days raining and rough. Go to work on my notes of the fauna around and about Sitka. Finish them up finally, and also on the new shell I got the other day which may be allied to *Calcarella*.

In the forenoon the steamer comes alongside but won't tow, which is cowardly in them and annoying to us. Lay around lost all day and read Woodward's Manual on Geographical Distribution. Baulk the leak in our cabin roof.

MONDAY 28

Morning. In sight of Ook^{em} island, a penal settlement for dissolute and disorderly characters from the other parts of the Russian possessions. It was once colonized artificially with marmots, and the convicts are employed in preparing skins for the R.A.C. The steamer gets some of her pins loose and casts off the hauler early in the day, and it is late in the afternoon before we get started again fairly on our course. Occupy myself in correcting the errata in Woodward with pen & ink. Throw out the net in the morning but obtain but little. Rock bottom, 22 fath.

TUESDAY, AUGUST 29, 1865.

Morning. Land in sight. Islands and part of the peninsula of Alaska. Have no trouble with the old teakettle today. Large numbers of jellyfish going by, of three or four species. Obtain more pteropods of the genus *Limacina* and have both nets over the side. Take a sketch of a curious rock off our starboard quarter. Green at work on the Lizzie Horner which has been sheathed & coppered to resist ice, and strengthened inside. In the afternoon see a shoal of killers, a sort of whale and also a brown seal quite near the vessel. A beautiful day & a most magnificent sunset. Spend the evening with the Capt.

WEDNESDAY 30

Morning. Toward noon enter the passage between Alaska and the islands, and pass by the most beautiful scenery imaginable. Pass Ivanov's Point or Cape, named after Mr. Ivanov, of Sitka. The country is broken into rough sharp peaks, many of which are covered with snow and ice. Make into Ounga Harbor where there is a deserted house and a coal seam uncovered on the face of the cliffs. Go on shore mount the highest peak, coming down meet the Col. B. & H. and go on board the Wright to supper. Afterward again ashore for fossil wood, and return late

THURSDAY 31

Morning. Make the port waistboat and with a crew of five men take soundings in diagonals of four miles in length across the mouth of the harbor. The sea bottom is hard and almost carpeted with echini. I saw in 8 fathoms of water Actinias eight to ten inches in diameter. Back to lunch where we have a small party, most of them being on shore. Take Cotter ashore and go over another diagonal, and dredge a little; get some good things. Recall is made and returning are ordered back for the boatwain who is on the sand spit of the Haystack. After some delay get under weigh, and are towed out of harbor.

FRIDAY, SEPTEMBER 1, 1865.

Roused at 5.30 by the falling of the hawser over the side, caused by ~~leaking~~ of the vessel. Go on deck and see to the safety of the scientific "duds" and have them safely stowed. The steamer cast off in the night and is out of sight and hearing. About nine make the discovery of a long reef on our lee bow. All hands have a tough time for an hour in wearing off and we make a narrow escape from wreck. Thick fog, and heavy sea. Make soundings in the afternoon of 45, 65, 143, 90, and 170 fath, and bring up live animals in the grabber everytime. Fire a gun every half hour for the steamer. Lay to from five o'clock in the afternoon till 10 P.M.

SATURDAY 2

Morning, Misty, rainy, and disagreeable. Sounding in the night brought up a Hippomyx & some worms from 140 fath. sand. No signs of the steamer. Going about a knot an hour, or less with all sail set. Feel a little grouty from continual hazing, but it works off quietly after a while. Morning, draw some of the mollusks obtained at Ounga Harbor and color them in the course of the afternoon. Look over the S. J. pamphlets recd from Dr. Fisher. Evening, Write, and have a meeting of the Inebriate Club. This world is all a fleeting show for many delusion given, &c. Vive la Science

SUNDAY 3

Morning, fair and cold, a relief from the constant drizzle of the last two days. Spend most of the morning preparing for muster. At muster (the first since we left Sitka) The standing orders are read of both the land and marine service. Dr. Fisher goes the rounds. Afternoon, read and color up the rest of my Ounga collections. Land in sight all day, till hid by mists in the afternoon. Head wind obliges us to keep a tacking and though within thirty miles of the pass we shall not reach it today.

MONDAY, SEPTEMBER 4, 1865.

Morning fair and cold. Wind contrary, and strong. Unimpaired passage in plain sight about seven miles off, but with no prospect for us to pass through today. After beating back and forth for half the day we cast anchor opposite a rocky point and waited for a change, catching codfish halibut &c meanwhile. Coast rocky and desolate, high peaks with large snow-patches are visible. In the afternoon the wind dies away and about 8 P.M. we set sail and weigh anchor to get away from the dangerous vicinity of land, though the wind freshens again.

TUESDAY 5

A beautiful calm morning, but the day passes in beating slowly a few miles nearer the pass. A pair of singularly contrasted peaks to the eastward. One Sheshaldenski, a calm, snow-silvered, graceful cone smoking. The other Isanotki not so high but riven from top to bottom, black, jagged, and a very abomination of desolation in its seared, craggy, peaks. Toward evening, we beat well up into the pass, but the current carries us back, when the tide turns. Have one of my kegs arranged to pack specimens in.

WEDNESDAY 6

Morning. About eight o'clock have squeezed thro' the passage and see land once more astern. The spectre schooner which has been dodging us for the past two days is now near us. About noon she bears down on us and the Captain boards her. She proves to be as supposed, the Milton Badger, all well on board, Harder with a touch of squaw fever. Toward evening a fine breeze springs up and we go along about 8 knots. Evening with the Captain —

THURSDAY, SEPTEMBER 7, 1865.

Morning, a fine brisk wind, blowing toward St. Pauls Island, but the vessel pitches a good deal. Change the dryers of the plants obtained at Ounga Island and find them rather to my surprise in good condition. Get a pair of large presses from Mr. Hyde. The water comes over the bows today in a stream; for the first time since we left home. Mr. Hyde has finished his chart of Ounga Island, Coal Harbor; but it is not quite correct. Talk with Captain S. on matters and things, and read Woodward in evening.

FRIDAY 8

Morning. Rolling away at a great rate, but going finely on our course making nearly ten knots at one time. Look over Capt. Raddus's chart of Ounga, and also Col. Hydes and find errors in both particularly the last named. Make a drawing of an out-line chart of the harbor which I will finish up at my leisure when the rolling will permit. Try to read but can't with comfort; turn in early but have to keep a wake all night holding my self into my bunk.

SATURDAY 9

Morning, Rolling like all possessed. Called on deck to see if my things are all o.k. and find them so. Wind blowing a gale all day. "Hove to" and with maintopsail half reefed alone. Soundings give 19 fathoms, soft sandy mud. We are nearly off Cape Romangoff. Bit four plugs of tobacco with Ennis that Monday night 12. finds us at our destination. Pretty close but five miles an hour with fair winds will find us there. Evening, with Whympers in cabin.

SUNDAY, SEPTEMBER 10, 1865.

Morning, rainy and wet as usual. Fly round to get things in order for inspection. Clear off about eleven though the decks are very wet. Row about the question as to whether a plug of tobacco is a plug of tobacco or only a quarter of a plug. Set to work and make a chart of Coal Harbor, Ounga Island, for Capt. Scammon. Mr. Black helps. Evening. Talk over matters and things with him. Wind fair and faint. Talk with Dr. Fisher, make corrections in my chart, and turn in.

MONDAY 11

Morning. Winds light and variable. Start early in the morning to copy my Ounga chart again. I work most of the day at it and nearly complete it. Add a small etching in pen and ink of the harbor seen from the house. It looks quite well. It is quite evident that I shall lose my bet on our arrival at Redoubt Saint Michaels only however on account of the light wind yesterday. Constant soundings are kept up on board, and the water is very shallow. the soundings only average about 10 fath.

TUESDAY 12

Morning. Land in sight but on account of not having any observation for the last two cloudy days are not quite sure of what it is. Box up the fossil wood from Ounga Island, and make ready to close the other box of specimens from that and other localities. Capt. Scammon wishes me to paint the Union for a Revenue Jack and I sketch out the eagle in crayon. Toward evening, sight Stuart and St. Michaels Islands, and land in many directions. Make ready to anchor and fire a gun.

WEDNESDAY, SEPTEMBER 13, 1865.

In sight of the island of St. Michaels. Long, low, & unpromising. The hills on the opposite shore are some what numerous and are mostly quiescent volcanoes. No steamer in sight and our hearts sank within us but our forebodings are soon dispelled by the sight of R. K. in a boat with some Indians. The steamer has passed on to ~~Plantley~~ harbor and Plover bay & left R. Denison & Bendeleben to take command of the R. Am. explorations. Get detailed for duty and go ashore with R. The redoubt is a strong log house square with six guns in small blockhouses. Gospodar Stepanov commander

THURSDAY 14

Anna Andreavna of Sitka keeps house for the Commander. Have venison, ducks, salmon berries and Samovar tea for grub. The reindeer meat is very good. Get to work on the steamer and find her a drift having cut her chain. Rains hard. Cotter & Jay Chappel go with R. Get a Russian bath with Charley Pease in the afternoon. It is pleasant and renovating. Take notes for guidance next winter. Sleep on floor in K's room on reindeer skins with a rabbit skin blanket. Very tired

FRIDAY 15

Get on board the barge early, & take out a small S.C.I. equipment for myself. All the rest will be left with Bannister. Work hard all morning & on shore to dinner. Damned ass Green has left the exhaust pipe of the Lizzie Homer on board the Clara Bell. Row to replace it. R gets a large lot of deficiencies from Capt. S. Walker tumbles all the arms & cartridges & Indian goods into the bay but they are rescued with damage. Go aboard with R. per orders. Consult with Capt. Scammon & ashore again in the dingy. Turn in with Charley Pease in K's room & bed.

SATURDAY, SEPTEMBER 16, 1865.

Morning. Up early and go to breakfast with the rest. After breakfast go about making myself as useful as circumstances permit. Get my required letters to Walker & Baird. Act as one of a board of survey on the damaged goods with Wright, Glover, & Ennis. Resolutions to Capt. Scammon are read & replied to, and some advice from Dr. Fisher go aboard with R. & the Capt. Lend books off to Bannister. Bid all good bye, get my things aboard and bid my dear brother in arms Robert Kennicott good speed. Anchor low down in the bay all night.

SUNDAY 17

Beautiful clear sunshiny day. Sailing slowly away from St. Michaels at about 2 knots an hour. Pounding every half hour. Black clayey mud with a goldia like limatula. No inspection or muster. Work nearly all day arranging my S.C.I. outfit under cover. Pack up the Orunga plants and label them. There were 15 species. We go to Emma Harbor sounding all the way to see if a cable may be laid on this shallow sea valley. Evening. Write up notes & take notes on Soundings. The day has passed so quietly that it seems like the real article.

MONDAY 18

Morning blowing a gale from the south west. Wind decreasing but barometer going down. Turn in and read Phillips Metallurgy, which is a very good text book on the subject. After lunch start on a chart of the sea between Michaelovsky between and Emma Harbor. Our flour, potatoes, butter, onions, and molasses are now nearly gone. We are gradually coming down to a diet of salt pork, beef, coffee, tea, hard tack and pickles, all except the biscuit of very poor quality, which makes it worse. Write in the evening.

TUESDAY, SEPTEMBER 19, 1865.

Morning, light winds and variable. The carpenter sets to work on a chest for the two odd cans I have with me. Get a number of interesting specimens of Holothurians and Ascidians, probably of the genus *Pelonea*. Set to work cataloguing the alcoholic specimens on hand preparatory to putting them in the keg. Finish this and look up some mollusks. A little bird *Agrotherus linaria*, lights on the rail for a short time. Saw the NE point of St. Lawrence Island this morning. We were just half way to Emma Harbor at noon. Capt Scammon not very well. K. Carried off the sail to the dingy.

WEDNESDAY 20

Morning, Cold and windy, wind dead ahead. Not much encouraging in the prospect. Run down to the east of St. Lawrence Island before the wind and as a consequence rolls like thunder. Go below and read up in Dana's mineralogy. The angular system is not so difficult to comprehend as one would suppose. In the afternoon, set to and write a long letter to father. I must write up some of my letters or I shall have a tough job when we get back. Capt Scammon not so well as he has been. Bottom so far has been all one soft clayey sandy mud.

THURSDAY 21

Day clear and cold. SE point of St. Lawrence Island in sight. Set to work at a chart of part of Behring Sea extending from St. Michaels Norton Sound across to Emma Harbor, including St. Lawrence Island and north two degrees so as to include the ground over which we have been sounding and to show its adaptability to be a base for a cable.

Get it nearly done. Write some long letters and read the account of the melancholy death of Behring the greatest plover of this region who died of scurvy on one of the Aleutian Islands. Pass SW Cape about 8 o'clock and steer straight for Emma Harbor which we shall probably reach tomorrow.

FRIDAY, SEPTEMBER 22, 1865.

Morning, wind brisk, but weather thick & misty. The Capes of Tschutchin Nose, at the opening of Plover Bay are just visible through the fog. But the weather is so thick & the wind freshening that the vessel is kept off for safety and we go off South west. The wind shifts and we go off in a fog rolling like blazes. Turn in nearly all day read a little and sleep a little, but get but little rest so rough that one can't read write sit stand or lie down with any kind of comfort. & so continues.

SATURDAY 23

Same as yesterday only more so. Keep a drifting to the SW and are about 80 miles away from our port which is excessively discouraging as we were within an hour sail of it yesterday morning. Make myself a cape out of bedsheet and a kind of muskrat, flannel and an old felt hat. Succeed quite well. Break down our table with rolling and eat lunch in our laps. Clear off and abate somewhat towards evening. Spend a good part of the day in the Cabin with Capt. Scammon.

SUNDAY 24

Morning, Clear and pleasant, Wind dead ahead. No muster. Spend all the morning painting the union for a revenue ensign, the largest ever raised on this coast. Spend part of the afternoon tining my mittens with white foxskin which is the meanest fur I ever saw.

Get hold of the Virginians, and read part of the afternoon. Throw over my net but catch only small crustaceans, Entomostracans, and the moulted feathers of the gigantic fulmar. In the evening write and study a little on the Melograph alphabet, worse than Russian.

MONDAY, SEPTEMBER 25, 1865.

Morning. Headlands of the barest and bleakest, with a sprinkling of snow too ragged to hide their naked ruggedness. Some doubt as to which is the entrance to the Plover Bay where Moore wintered in the ship that bears that name. Longitude settles it finally. We go beating in against an icy wind, which flows out of the very throat of the Bay. In the afternoon spy a hermaphrodite brig and a steamer probably the Wright in the NE Harbor. Spend most of the evening making out the vessels course to the Bay from Norton Sound. Read the Virginians & to bed.

TUESDAY 26

Start early in the morning to make our way up the Harbor. Make eleven tacks, all hands helping and finally fetch up just above the steamer in the lower harbor. It is protected by a long low sand spit and has 25 fms water, mud & clay bottom. Good holding ground. Two Indian settlements, one on the spit and one on the opposite side of the bay near the mouth. The brig is the Victoria of Honolulu, Capt. Fish. I board her and find she is a trader & whaler and goes in a day or two. Get a list and account of the vessels including the Harvest, Honolulu bunt & bonded by the Shenandoah pirate. Palmetto has sailed for Anisco yesterday afternoon after filling up the Wright with coal.

Steamer sailed in P.M. 27. WEDNESDAY 27

In the morning go ashore to the watering place with Capt. Scammon. Pass through a defile in the mountains to a watercourse and large fresh water lake nearly level with the sea from wh. it is separated only by a low sand or shingle bar. Every thing is broken rock with out a trace of soil. See Crows, Reindeer and fish, probably trout. Come back and get a number of things from the roots of the kelp on shore including a new tunicate. A crepidula, large whelk, Saxicava Yumma, &c. Hyde comes down, by order of Col. B. into the ward room. Pride &c. Nocum, Eskimo comes aboard with a lot of his tribe. Try to get a seals head from him. And see about the whale.

THURSDAY, SEPTEMBER 28, 1865.

Morning. "Young Walrus" Nocum's son of two years old, is aboard early in the morning. Go ashore with Capt. Scammon and get a large number of specimens, including three skulls of Eskimo dogs. Can do nothing with the whale's head. Nocum's real name is Norman Walker, but they call him Nocum for short. Their summer houses are made of walrus skins, the winter ones of turf with a walrus hide roof, and whalebone for supports. Come aboard in his boat, get lunch, and again, ashore, get masses and aboard with Col. Hyde. Evening try to get the collections of the day into some kind of order. Quite tired.

FRIDAY 29

Morning. All the Eskimo & their families on board. Get a good supply of reindeer meat a pair of horns and the thorax and flippers of an old hair seal. Kedge out a little way and remain till afternoon. Black moves into Glover's room and I set to work fixing up our room putting in some shelves, racks for brushes, maps &c. and make my berth some six inches narrower, by taking out a slat and moving the side board. Work till late at night getting every thing ready for a gale which is evidently setting in. At four take our departure.

SATURDAY 30

Ran about 10 knots all night making about one hundred and eighty miles travel since four o'clock yesterday. A heavy snow storm sets in and the morning is put up. Write most of the day. Write to Grandma Dall and Ellen Wilde. Get some stationery from Lt. Wright. There is some mystery as to our destination which I should judge from appearances and the vessels course to be either Petropavlsk or Japan. Captain Scammon sets me to work at a reconnaissance, chart of Plover Bay made by Captain Kadin

SUNDAY, OCTOBER 1, 1865.

Morning. Fair and mild. Our port I have decided in of our course &c. is Petropavlovsk. The day being fair we have no muster, though we have all prepared for it. Set at work on the chart of Plover Bay, and surroundings, for Captain Seammon from the sketch by Capt. Kadin and nearly finish it working with Black all the afternoon. Have a wonderful dinner, venison, cranberries, corn & tomatoes. Evening. Talk over report &c with the captain, and insist on the right of addressing it directly to Col. Bulkeley which is finally conceded on condition that it first pass through his hands. Night clear.

MONDAY 2

Dull and cloudy. Read Henry Kingsley's Hillyars & the Burtons, a pleasantly told, absurd story of England & Australia. Get the seal set up and spend all the morning hacking the bones out of the mass of fat & flesh. Afternoon set at chart of Plover Bay and finish it. Have a slight diarrhoea which remedy by a little port wine and brandy. Evening talk with Capt Seammon and Whymper, and attend a midnight feast of the F.H.I. on lobster salad. Hyde is getting run considerable on his assumed morality. There is more nastiness and cursing floating round loose than any time since we started.

TUESDAY 3

Morning. Dull and rainy. Vessel pitching heavily and a great scramble for grub. Spend most of the day in making copies in my own mapbook of the Reconnaissance of Coal Harbor, Ounga Island, and of our enlarged sketch of Plover Bay. For future reference finished up my little chart of "Cumukil" and lay down our courses hitherto. Deck leaking about a pint an hour into my rubber blanket which by great good fortune I have with me. Toward evening the wind changes and the vessel's motion becomes less disagreeable.

WEDNESDAY, OCTOBER 4, 1865.

Morning, clearer and pleasanter than yesterday. But little wind, and we are beating about without making much headway - Pack the larger objects in alcohol in the keg prepared by Capt Seammon and turn the rest into the cane. Write up list of collections and Baird's notes on Coal Harbor strata, as well as my own. Evening write to Prof. Baird & finish up to departure from St. Michael - No improvement in the weather -

THURSDAY 5

Morning. Rolling as bad as ever, and spend the greater part of my breakfast dinner & lunch upon my clothes and the floor & table, our side being, the lee side. Spend nearly all day with Black in the forward cabin drawing charts of Avachinskaya Bay and Petropavlovsk Harbors where we are bound. Play checkers with Black and as usual get woefully beaten. In the evening continue my letter to Professor Baird, and sundry other small matters. We are nearly half way to our destination and have been so for several days. The steamer goes to Anadyr -

FRIDAY 6

Morning. Clear and fine. Rolling badly. Go on with my charts and finish Petropavlovsk. Map out on a fine chart of the N. Pacific, the courses of the Golden Gate from the time she left San Francisco up to today & get through although the ships pitching makes it rather ticklish work. Find a map of the Island of Guam which turns out to be one of the Ladrões, and has several good sized towns in it. Make a tracing of it and begin to transfer it to my mapbook. Hoist a new main topgallant sail, in the P.M. Wind goes down somewhat.

SATURDAY, OCTOBER 7, 1865.

Morning clear and fair. Wind a good deal gone down. Finish up my map of Guam Island which looks very well. Set at, an eagle for the union of a boat flag. Work in the forward cabin with Black all the morning. Issue soap to the men. Put the seals bones into a halfbarrel. Pack up the plants from Dunga & Plover Bay and nail them up. Write up my stop chest accounts in the evening and collect my receipts. Get a powder keg and some small boxes for packing specimens. Read Collins book on the Owl. &c.

SUNDAY 8

Morning rough and rolling again. This kind of weather is nearly played out. No muster on account of the unsettled state of things. Write a long letter to Dr. Torrey; one to Temple Prime, speaking of the Proceedings or Journal of the New York Lyceum. Finish up my letter to Miss Langford. Read Collins book which is the greatest mess of conceit & balderdash that I ever saw. He seems to have his eyes a good deal more on the shape of the women than that of the country and is an epicure rather in wines than an accurate observer of physical geography.

MONDAY 9

Morning, more rolling. It is growing monotonous. Spend nearly all day in writing a long letter to Geo. C. Walker at Chicago on the situation. Finish up a lot of partially written letters & having got Baird, Torrey and Walker done, I feel as if I could breathe. Course about S. by West & West, get through some 40 miles in the day. Write all the evening in the forward cabin. Prospect of being sometime at Petropavlovsk if we ever get there. Evening rolls worse

TUESDAY, OCTOBER 10, 1865.

Morning. fair and beautiful. Last night we had a fair wind that carried us along at the rate of 8 knots an hour. pretty fair for the old Kate.

This morning it has nearly died away again, leaving us in a nearly dead calm. Paint the continuations of the eagle for the flag, that got burnt off the first time. Spoil the small boat flag on account of bad paint. Write to Mrs. Kennicott and Aunt Sarah. Write all the evening in the forward cabin. Look over Whymper's drawings &c.

WEDNESDAY 11

Morning fair and clear. Ship on the starboard tack so that it is a free fight with all kinds of balancing to get any grub. We are some two hundred and forty miles from our port with gales and head winds as thick as mud. Get a sight of the snow covered peak of Copper or Behring Island. A very unusual thing to see land so far off, plainly with the naked eye. Write to Prof. Dana, Prof. Cassin, Dr. Bryant and Lizzie Merriam. Get tired of writing and read Coopers Crater in the evening. a very stupid satire out of which time has plucked all the smartness and besides that, disproved the authors position.

THURSDAY 12

Morning. Fair and clear. The usual head winds, but on the other tack greatly to our comfort. Write up, old pencil entries in my diary. Write to Miss Cleveland. Feel a little unwell and heartily sick of beating about to no purpose as we are now doing. It is rough, to have in addition to the hardships of such a cruise, to have to stand alone the derision and unconcealed contempt of my companions. So help me God, I will put myself one day, where such vermin as they are, will not be worth trampling under my feet!

FRIDAY, OCTOBER 13, 1865.

Morning fair and clear. Little wind but a heavy sea and the vessel pitching tremendously. It does seem as if we would never get to Petropavlovsk. Write up the pencil notes of the early part of this diary and finally finish them. Caught Dr Fisher nuzzling books out of my own and Glover's rooms, and when inquired for, the immaculate gentleman gives no sign. Read a good deal in the "Schönberg-Cotta Family", and like it very much. Toward night a good breeze springs up, and at nine o'clock at night we have a fair eleven $\frac{1}{2}$ knot breeze.

SATURDAY 14

Morning. The breeze of last night died away about midnight and we are here rolling in a dead calm with a clear sky and pleasant day, and the snow clad peaks of Kamchatka in plain view.

We are about ninety miles from the Bay of Avatcha. Paint nearly all of the under side of the unfortunate union for our Revenue Ensign, which had its tail burnt off.

Pack up all my bottles which the Doctor had stolen and put the chest amidships. Pack the preserve bottles on deck and finish the flag. General cleaning up, as we are going into port we hope very soon.

SUNDAY 15

Morning. work into the Avatcha Bay and run up by the spit which forms Petropavlovsk, narrowly shaming the shoal. Messrs Farnsfield, Coles, Hunter, and Fluger, come aboard the barque in a whale-boat, and are invited down into the cabin and entertained there. Muster at 2. Go ashore in the afternoon and visit Capt Hunter, Mr Fluger and Mr Pierce, and visit the battleground and turn over some shot and shell still laying about. The town is fast falling into decay, and the public establishment is already removed. The trade is principally in furs. Come aboard with Dr.

MONDAY, OCTOBER 16, 1865.

Morning. cloudy with squalls. Make ready on board to receive visitors from on shore. Go ashore, with Smith, Whymper & Glover. Go up to Mr. Farnsfield, and then go off leaving Smith at Mr. Fluger's. Have Norton's rubber boots, and wade about in the small lake after mussels but don't find any. Go round the hill with Smith and discover three species of Helix, one Nitrima. Four, beetles, and going back obtain one perfect and several large broken Audouins. Bark Behring leaves for San Francisco and will take our mail lunch at Fluger's, get salmon & coppers from Farnsfield, on board with Glover. Barque drags, Wind blowing a live gale, Two anchors out.

TUESDAY 17

Morning. at first cloudy but calm, afterward very clear.

Go ashore with Whymper, Smith and the Doctor, look at the La Pérouse monument, and go around the beach from the point round the little harbor and spit and down the other side.

The barque is towed by the boats up to a safe anchorage under the lee of the point. Collect on the sunny north bank apparently the same helices &c that abound in New England. Helix harpa, pura, striatella, Nitrima pellucida, Lualubrica, Pupa simplex, &c. May. Doctor, Field, &c are going to the warm springs but I shall not go, to be an intruder, although I can, by saying so. Come aboard at 4. Capt. S. goes ashore, Row with men from the Behring in E.

WEDNESDAY 18

Morning clear and cold. A heavy hoar frost fell last night and the surface of the water in the Bay is covered with thin floating ice. Bark Behring hauls out into the stream and the schooner with 4 officers & two men goes out. Spend nearly all day in collecting beetles & small land shells, on the sunny north bank. Whymper gets a very fine specimen of Cynthis from the beach yet alive. All hands on a general drunk ashore. Captain ashore.

THURSDAY, OCTOBER 19, 1865.

Morning, calm but cloudy. Prepare to go ashore in uniform but Capt. Scammon informs me that some ladies are to come aboard, to lunch with him and advises me to wait and see them, which I do and am introduced to the Port-Captain, civil Governor, doctor, postmaster and a Cossack Officer & two ladies. They invite me to visit them very pressing. Colin & the rest hardly over his drink, Pearce invites me to go to Avatcha in his boats & obtain permission from Capt. S. Whymper paints me the Cynthia & Geo. Dow brings me a number of fine trout. Go ashore with Capt. in evening.

FRIDAY 20

Morning, clear and fine. Steamer Geo. S. Wright comes in from Anadyr. Get everything ready & go in the gig about ten o'clock to ask leave of absence to go to Avatcha, in Mr. Pierces boat. Col. Bulkley, consents, and leaving in a whale boat at eleven arrive at Avatcha at one and are quartered at Nicolai's. One boat goes back and the other proceeds with goods up the river. Go part way up in it and return. Sleep on the floor on my blankets & some hay very well. Smith with me and we are well furnished with arms.

SATURDAY 21

Up very early. Go out and see a wolf but do not succeed in shooting him. After breakfast of curds & cream, tea and hard bread, we start over the bay in a dugout with Alexander Alexis to Yagut nemise or berry point where shells are said to be thick. Go up and down the point and get a good many. Go up by the branches in the delta and Smith shoots six or eight ducks, teal, blue-wing and widgeon also a whistler. Reach home at about six and have a very good appetite & supper.

SUNDAY, OCTOBER 22, 1865.

Morning very cold and clear, several parts of the bay frozen over. See millions of gulls and hair seal ready for migrating. Can't get boat or shot to go ducking and stroll about collecting.

Get many shells. Have ducks for dinner & Alexis & family go haying. Spend most of the afternoon fooling with Matrona, the fear of Nicolai not being before our eyes. At five the whale boat returns and we sail for Petro-pavlovsk with a head wind and arrive about eight, having had a good time. In the evening write up diary and skin an owl.

MONDAY 23

Morning clear and fine. Kill a sheep. Go ashore after breakfast with Whymper, Capt. Scammon and Col. Bulkley and call at the Port Captains, the Governor of Kamchatka, the Doctor, the Postmaster & his pretty wife, and Mr. Pearce. Go aboard to lunch and in the afternoon go over to Serraglaske with Capt. S. the Col. and Mr. Hunter. The walk was pleasant and we were received with milk, berries, tea &c. by the Cossack woman. All the men are sailors & away. Return and skin the gull in the evening a very nasty job. Capt. ashore.

TUESDAY 24

Morning, ask and receive permission to go ashore on a collecting tour. The Col. has shut down on our indiscriminate going ashore on Nydes & others account as they were fast wearing out our welcome for us. Start over the hill and notwithstanding the predictions of Messrs Boshoi and Coale, reach the large lake east of the town in about two hours, eat a lunch of hardtack & raisins there and return in about the same time. The total distance is about 12 miles. Evening, all the officers invited to the Port Captain tomorrow.

WEDNESDAY, OCTOBER 25, 1865.

Morning. Go ashore about eleven. Go back for my glasses and find some fine medusae on the shore. Go up to the Port Captain Cykmerov's, and remain till three in the afternoon; at dinner take in Madame Priestess. Go down to Pflugers in afternoon and arrange about the squirrel skin Han Ket. Up to the Port Captain again about seven, and remain during the evening. Smoke about twenty Papirouses and finally under urgent persuasion from Madame, dance two or three quadrilles with Russian ladies. One the daughter of Mr. Fletcher whose son goes to San Francisco with us, a very fine looking girl though speaking no English. One with Madame Cykmerov & THURSDAY 26 one with the post-master's wife. She is a Kamchadal, very pretty and the most pleasant lady in the room. Take her into dinner at midnight and sit at the head of the table opposite Capt. Scammon & the lady of the Compagnie of Kamchatka and next to Col. Bulkeley. Have Russian and English songs and return about 3½ AM. Sleep till 8. Go ashore with Whymper & leave my photo at the Port Capt. Go up on the battle hill and then aboard. In the afternoon go with Bricktop & get two thirty two pound solid shot remaining since the battle Aug 10. 1854 O.S. Skating evening, packing up some of my specimens to be ready for the excursion to the warm springs tomorrow. FRIDAY 27

Col. unwell. Called up early in the morning by Capt. Scammon and receive instructions to remain aboard all day; which is rainy & cloudy. Send a note by Wright to the Post-master's wife, who goes on the excursion; which starts about half past ten. Steamer with ladies on board & others from the town go round the harbor, return about two o'clock and start off again, finally returning about seven P.M. Sorry not to be able to go, but the weather is nasty. Read in Abbots Napoleon, and get permission to go ashore for all night but do not, on account of Davison's insulance for which I pay him.

SATURDAY, OCTOBER 28, 1865.

Russian Sunday. Go ashore early in the morning to church with Smith, stopping first at Mr. Pflugers, but find the service almost over. See Madame Baishov there. After service go again up to Pflugers, lunch there go down to the spit with him and returning go into Mr. Pierces where I dine. Go skating in the afternoon & go and dress at Mr. Pierces, and then with all hands down to the Ispravniks house where we pass a very pleasant evening, cards, dancing, refreshments, and so forth. Dance about a dozen quadrilles, one or two with the Post-master's wife, and take her in to dinner. Capt.

SUNDAY 29

Scammon returns early after dinner, but I remain till all is over. They dance the Vasmurka and I attend Madam B. home in spite of our Cossack friend. Return on board the Gale about 5 o'clock AM. and turn in till about ten. After lunch go ashore and with Smith, Norton, and Pfluger dine at the Ispravniks. Walk out and meet Hyde & Muller and go up to the P.Ms. Spend an hour and a half there, and then go with them to Mr. Sutkevov where the Col. & Capt. soon arrive and I go aboard with them. and write home & to folks in Victoria as the steamer & Whymper leave tomorrow.

MONDAY 30

Morning am notified to occupy Whymper's rooms and Leborne is to take mine; have it altered so that Norton & he exchange and he finally is ordered back onto the steamer. I am very sorry to have to move, & it won't add to my popularity. Spend most of the day which is rainy and snowy, in getting ready for the change, Leborne is finally ordered back to the steamer, and Young Fletcher will go with us to San Francisco. Pack up Petrovsk's collections, and sit with Capt. & Col. in the evening, Mr. Pfluger comes aboard.

TUESDAY, OCTOBER 31, 1865.

Morning. The steamer got under way at about 12 o'clock and steamed round and out of the harbor.

After lunch go ashore with Smith, buy a looking glass, and go up to Hunters and take a little lunch then down to Mr. Pierces where I get a Lounoon pipe some slippers and a pair of boots as curios. Go up to Madam Baishofs with a box of wine and Mr. Coles, who presents it as from the officers of the wardroom down to the Cymkevo's and tear myself away to dress at Peirces after which I return and accompany them to the Uenpavnik's where we have a pleasant

WEDNESDAY, NOVEMBER 1

evening party. Tables for cards and a few dances. Pass a pleasant evening flirting with Mesdames Cymkevo's and Baismows, go home with the latter and sleep at Mr. Peirces. Up about nine. Up to Hunters and to Madam Cymkevo's about eleven and the signal gun being fired hastily bid all good bye and get aboard. Young Fletcher comes aboard and we get up anchors and drop outside the smaller harbor, in the Bay, about five o'clock. We shall probably get out tomorrow. A beautiful moon light evening. Sleep in the cabin for the first time.

THURSDAY 2

Last night may turn out to be one of the turning points of my life. I discussed with the Capt. Ounga Island and the Conu-filia. Day cloudy, foggy, calm with puffs of wind. Get some shelves put up in my room and get all my things out of Norton's room. Pack the scientific collections in the after locker. Begin to blow favorably but soon changes to S.E. Go to the spit with the Capt. Hyde and the Doctor and take a glass of tea with the Sopravnik, Capt. Sutkevo and their ladies, Miss Fletcher and the postmistress, Muller and Fluger, who have pitched a tent there and have a samovar under full head of steam. Go aboard leaving the rest to spend the night ashore. A heavy frost.

FRIDAY, NOVEMBER 3, 1865.

Morning, slight breeze. Cloudy & snowing. Capt. comes aboard early. Doctor, Hyde & Radin, soon after. Had a pleasant time. Examine my alcoholic collection, catalogue and label them and get all stowed away. Start about eleven o'clock and with a fair wind, leave Avatcha Bay for San Francisco via Victoria. Everything looks like settling down to our old sea life for a month or so. Afternoon commence my report for the year past. Talk with Capt. Scammon of the probability of a war with England on the Alabama question. I hope that it may be settled with honor & without war.

SATURDAY 4

Far away from Petropavlovsk. With a favorable gale we are making a splendid run. All hands a little sick even Mr. Davison. The weather is rough and disagreeable. Lie low most of the day. I have very little appetite for dinner. Work a little on my report and learn that B. wanted to make me fleet surgeon; an office which I most decidedly should not have accepted.

The power is left with Capt. Scammon to do pretty much as he pleases in Col. B's absence.

SUNDAY 5

Last night pretty much every thing fetched away that could, including my bottle of ink for which I am sincerely sorry as it was all the decent ink aboard. Young Fletcher is pretty sick, every one else is a little stirred up. Rough weather continues and rain and hail. Play chequers with Black and beat him for the first time. Soft tack for the last time in the ward room, the first time for a month. Turn in early on account of the weather.

MONDAY, NOVEMBER 6, 1865.

Morning. The fair wind in which we have been rejoicing has died away leaving a heavy swell and the usual rolling and heaving of the old vessel supervene. Write up my report finish the rough draught and commence on a final copy. Starr Pollock nearly poisons the whole of us with crocote which he has been recklessly heaving about. Gets a blowing up from all hands fore & aft. Talk late into the evening with the Captain about plans for the future.

TUESDAY 7

Morning. Wind freshens up again and we go rolling along about eight knots an hour. Finish my report and copy it. Write most of the day. Vessel rolling very badly. Lon. 169. 38. noon. Must now finish report to Prof. Baird, and Geo. C. Walker, write a few letters, make out estimates for Unga, and copy up my lists of specimens and notes at Petropavlovsk. We are to lay in the stream near Meiggs Wharf at San Francisco and board on board.

WEDNESDAY 8

Morning. Head wind, vessel pitching heavily. Finish report, and add the dimensions of the narka or Kam schadale sledge and their snow shoes which are of the Norwegian pattern. Write on copy of my notes, nearly all day. Young Fletcher, our Russian, is so aristocratic that he would rather go cold than wear blue shirts, because the sailors do, although those offered to him were some the captain would have spared out of his own wardrobe for his accommodations. Read Abbotts Napoleon and turn in early. Have a bad diarrhoea from some cause or other.

THURSDAY, NOVEMBER 9, 1865.

Morning. Old Gate writhing, twisting, pitching and rolling, as usual in a heavy sea and strong wind, which last is fortunately fair. Write up my diary and copy out my report, into it. Open my reports to Mr. Walker of Chicago, Prof. Baird, and Dr. Torrey, and prepare to continue them. On deck a good part of the afternoon & Dr. Fisher gives me some rhubarb and magnesia, for the diarrhoea, which by the way are capsized the same night in the rocking about of the vessel. In the wardroom a good part of the evening, and also with the captain

FRIDAY 10

Morning. Fair wind, rolling as usual. Write all day. Finish letter to Prof. Baird, and commence copying my report, for him, again. Rains hard much of the day. Finish Abbotts life of Napoleon. I think he makes out a pretty good case but I must say I think the divorce of Josephine the least of his mistakes. Work at Russian in the evening. So far, it seems, (the grammar to be simple enough, but the changes in the terminations of the ^{nouns} verbs are puzzling. Ochot and Kluger our two Eskimo dogs make an amusing display of their jealousy toward each other, today.

SATURDAY 11

Cross the meridian of 180; and break orders which show that we are to go direct to San Francisco, and give Capt. Scammon power to dismiss officers and men for intemperate or bad conduct. Write to Prof. Jos. Henry, enclosing a copy of my report to Col. Bulky. Write with Black all day. Evening, continue my Russian. I think that this business of the terminations, though puzzling on account of the great number of them great number. Our fair wind dies away in the afternoon. Doctor comes down in the evening and gets the cold shoulder—

SUNDAY, NOVEMBER 12, 1865.

Morning, looks squally, but expect a fair wind. Write about half an hour before muster and in the afternoon. Write to Mr. Lollyer, and close letters to Baird, Torrey, Walker and Prof. Henry. Have a fair inspection. Dr. F. and Field had a spree last night on Pierces rum, and consequently our immaculate M.D. is unable to appear from indisposition! and old S.M. can hardly stand straight enough to pass muster. Glover is getting well which is a pretty good note on the doctor. Write Russian in the evening. in the after cabin. Rolling a good deal.

MONDAY 13

Morning blowing hard from east by north which is precisely our course. Through out the day blows harder. By eleven A.M. the wind has increased to a perfect gale which shifts suddenly to the North east. Breaks about 2 o'clock P.M. in the following night. Start a letter to Stimpson but have to leave off on account of the gale. Nicolai puts his head through four panes of glass in the wardroom hatch. Turn in in afternoon and early in the morning wind dies away.

TUESDAY 14

Morning fine and cold. Noon rainy and squally. Write most of the day. Heavy sea remains from yesterdays gale. Finish Stimpsons letter and write to Miss Anne Newman. Old Doctor on another spree.

He can punish as much rum as any man I ever saw. In the evening talk with the Capt. about Ounga Island and scratch away at some estimates. Go to Conlin for some information which he is unable to give which does not speak well for the intelligence of the Companys Chief Carpenter.

WEDNESDAY, NOVEMBER 15, 1865.

Morning, rolling badly. Work on lumber estimates for Ounga, including Storehouse, Coal shed, tramway 1500 ft. long, double; wharf or jetty 30 feet long, roofing and siding for 200 ft. of gallery; total about 40 M. Work on these all day, with Black on the Report. A number of calls for clothing, supplies &c. from the men. Capt Scammon not quite well. Doctor Fisher makes me a present of some arsenical paste & a box. Write all the evening, on the Russian Grammar. Finish the nouns. The rules are very clear & distinct.

THURSDAY 16

Morning, light winds but split both royals in the breeze last night. Have them down to mend.

Write all the morning and most of the afternoon on the estimates of provisions and hardware for Ounga. They mount up regularly, very high but it is an unheard of thing for a mine to repay all outlays &c on it in the three or four first months of working. Talk with the Captain in the evening and write up my accounts in the slop chest-book and also post up my diary.

FRIDAY 17

Morning. Scudding before a gale which promises to be the heaviest yet; under lower main topsail, foreail, lower foretopsail, and fore top mast staysail. Decks and upper cabin flooded with water. At 12 o'clock, we have made by dead reckoning 212 miles since 12 o'clock yesterday. Sea continues to become higher, and at night the gale is at its height. We have been making an average of eleven knots an hour today. Turn in early for a long and sleepless night. The seas breaking over my head in the poop.

SATURDAY, NOVEMBER 18, 1865.

Morning, gale some what abated but the sea still raging. Stove the gig and carried it away last night. Stove a hole through the starboard bulwark. Sea sweeps the decks pretty thoroughly. Find my note books, diary and so on soaking wet, from the leaks in the cabin roof. We have made 280 miles since twelve yesterday, another long leg on our way to Frisco. Captain Scammon with one of his bilious attacks, unwell again. Turn in early and pass an uncomfortable night.

SUNDAY 19

Mostly a repetition of yesterday. The cabin was flooded again and those papers remaining in the port room, were soaked, and the window marked. Capt. Kadin gets a bath all over. No muster or inspection to day. Sun out occasionally. Captain Scammon is better, but doesn't rise during the day. Under treatment. My writing is terribly behind hand. Busy with the men in the afternoon. Spend a good part of the day in the ward-room and with Smith and Hyde — 195 miles made since 12 o'clock yesterday, less than we hoped.

MONDAY 20

Morning, half clear, half cloudy. Heavy sea on and a good breeze; under main topsails and fore sail, lower fore topsail and fore topmast stay sail. Put on the main top gallant sail about noon. Attempt to write in the morning on the Ounga estimates &c, but finally give it up in disgust. We have made 220 miles since 12 o'clock yesterday which is a good days work. Only 1280 miles to San Francisco, and if this wind holds, we can easily make it in a week.

TUESDAY, NOVEMBER 21, 1865.

Morning squally. Under main topsails, fore sail lower fore topsail and fore topmast stay sail. Wind shifted to N N W, although we still manage to make an E by N course. Morning try writing again. Work on slopechest accounts and get them mostly correct. After noon writing again, Capt. Scammon better. Barometer very high 30.36. Wind dying away. Evening down in the ward room with Wright and Smith. Up again and write Russian till half past eleven. Talk with the Captain about Harders sister and turn in. 220m.

WEDNESDAY 22

Morning light wind. Under all sail. Writing all the morning on slopechest accounts, Captain Scammon up and on deck. Men at work on the Whale boat fitting her up for a gig. Make 166 miles since yesterday noon which puts us about a thousand miles from San Francisco. Everything looks favorable for a good run in. Polly Ann in San Francisco is evidently running away with the line at a great rate. Evening play checkers with John Norton and write at Russian adjectives till twelve o'clock. Write to J. Y. Scammon.

THURSDAY 23

Morning rainy foggy with a high sea but favorable wind. Bets are ripe as to our getting into San Francisco by the 29th &c. Write letters in the morning to E. W. Blatchford, Chicago. Toward afternoon the wind becomes lighter and finally almost dies away; write in afternoon, and work over the slopechest accounts with Mr. Black. They will amount in all to about \$800.00. Talk over Ounga with the Captain and write up the Russian adjectives in the evening. Make 225 miles up to twelve o'clock. Cross the line by which we sailed for Sitka in July last.

FRIDAY, NOVEMBER 24, 1865.

Morning half cloudy with light winds but favorable. Black writing on ships papers. Work a little on slop-chest accounts. Write long letters to Prof. H. Bannister Mr. Thompson of Chicago, Dr. J. P. Kittland of Cleveland, Ohio, Charles Pease's grandfather, E. D. Leape of Philadelphia, and begin one to Alex. Agassiz which shortens up my list of letters considerably. We are steadily approaching San Francisco, and made ~~some~~ ^{one} hundred and twenty miles since twelve o'clock yesterday. Evening finish Russian adjectives.

SATURDAY 25.

Morning winds still favorable though light, with a prospect of a change. Writing all day. Letters to Mike, Putnam and Scudder and finish letter to Alex. Agassiz. Make one hundred and twenty five or thereabout, miles since 12 o'clock yesterday. Write all afternoon with Black as usual. Toward evening make all fast in expectation of a gale. Wind hauls to S. E. and the clouds are very lowering. Evening write till midnight on the Russian pronouns and verbs. There is a multiplicity of terminations which is very puzzling -

SUNDAY 26

Morning head wind from the east. Bear south-erly. All on board are now anxiously counting the miles and looking at the chart a dozen times a day. Friends, sweethearts, and San Francisco are drawing nearer. I hope I shall find at least a few letters from home waiting for me. Have written about it enough. We have made 132 miles since yesterday noon. Toward evening the wind springs up again fair. Write to Merrill Mason and Greeley. Evening on Russian verbs.

MONDAY, NOVEMBER 27, 1865.

Morning, wind fair and free, making a good even course toward Frisco. Working up my account for over the slop-chest with Black and Smith and square up accounts in the book. At noon make 157 miles easting since noon yesterday. 13 miles south and 255 miles west of the Harallone light. Keep steadily on. Finish up the slop-chest accounts. Evening write with Black to Mrs. Coburn, Mrs. G. P. A. Healy and Mother and Sadie. This finishes up my letters, a weary long job it has been to write most of them. I suppose there is 250 pages of writing in them.

TUESDAY 28

Morning overcast and calm. Late to breakfast. A fine English clipper ship probably from China, is just ahead of us endeavoring to beat in to San Francisco. Get a memorandum book from the Captain and write up San Francisco memo. Write all the afternoon on notes for Prof. Baird; write about 30 pages. Write in the evening with the Captain on them. All hands getting ready for port. Hear a rat in the locker behind my head in the night and find he has defaced and maimed the old gull from Avatcha that I had so much trouble skinning -

WEDNESDAY 29

Morning thick fog but clear sky, through which the sun looms dimly. The clipper is still to leeward. Get the scientific equipment out of the slop-chest, and pack it in the doctors chest - which I have emptied and put together. Get up the other keg for the carpenter to put a big bung in it for specimens. Afternoon wind dies away entirely and leaves us rolling about in the fog. These fogs and calms last sometimes several days. Get a bath and a clean suit of clothes, and spend evening mending

THURSDAY, NOVEMBER 30, 1865.

Morning early fog remaining, no wind, falling off & on. Brush up old clothes to put away and new ones to put on. About ten, fog clears up, and about half past ten pass the North Farallones, and have a good favorable breeze spring up for which all hands are greatly thankful. About two, sight the heads, and have a race with an English dipper to get in.

Go in abreast and anchor off Miggins wharf about half past four. A heavy fog with sleet and driving rain prevents us from getting ashore. No news; but the Wright got in today, badly damaged in the gale of the seventeenth.

FRIDAY, DECEMBER 1

Get ashore about ten by Jones boat. Rush baldheaded and get my hair cut. Up to Hubbard's for my letters & find him out, moving, and not to be in today. Up to the telegraph office and leave a telegram on file for Baird as the wire is down. Meet Dr. Ayres there. No letters at the Post-office. Step into Capt. Voyce's office and meet Wright with a pack of letters very welcome, go up to Stearns' office read them & borrow \$20.00 till we are paid off. Step into Van Tassels Store, call and leave letters for Mrs. Denison, call on Miss Klinkofström & Miss deRo. Go up to Stearns' to sleep. Post letters as per memo.

SATURDAY 2

Down town, get me a cheap flannel coat, new watch, glass &c. Hubbard out but sends letters by Dr. Fisher. See Gabb, go to lunch with him, and find Hyde at his old tricks. Seek Col. Bulkeley but don't find him.

Get diary and have it bound. Get cards under way at Town & Bacons. Meet Col. at the Occidental. Go to find Mrs. Scammon, go round to Mrs. Ayres, find the house, dine with Scammon & Capt. Sands. & afterwards with Ayres. Spend the evening there and up to Stearns to sleep. All went well with the Col.

SUNDAY, DECEMBER 3, 1865.

Early in the morning look over shells with Stearns. Go to Starr Kings church, meet Mr. Stebbins and occupy Capt. Voyce's pew, with him & Miss Voyce.

Mr. Ames preaches a Christian sermon from a pagan text. After church introduce my self and go to dine with him at C.C. Lows, on the hill; the Governor's brother. I found them a very pleasant family & they kindly invited me to call often. Stay to lunch and dinner; after dinner go to Capt. Voyce's, spend the evening and back to Stearns to sleep.

MONDAY 4

Morning, into new office corner of Montgomery and Pine streets. Go down to see Groes of the Evening Bulletin and leave some mums of our sci. work. Find Col. B. who has no orders, meet Capt. Scammon and go into Newton Hastings and Co., then to Stearns' office & to lunch with him. Go over to wharf, wait an hour for boat, none comes return to office and dine with Stearns. Evening to meeting of the Cal. Acad. Sci. where I give them some account of the seasons work. Meet Prof. Whitney, hear of Pumpelly's work in China. Stearns to sleep.

TUESDAY 5

Morning into office Tel. Co. wait some time and meet Whymper, go up with him to his room. See Col. Bulkeley and explain to him that I should like to be detached on shore. The living on board a vessel in the streams, in such a harbor as San Francisco, is nothing but a humbug. Lunch aboard the Milton Badger and go over to the Gate afterwards. Spend the rest of the day in repacking the boxes of specimens to be sent to Washington. Evening write up mums.

WEDNESDAY, DECEMBER 6, 1865.

Morning. Get a boat and the Maloot, and go to the P.M.S.S. Cos Wharf and leave five boxes with the storekeeper of the S.S. Co. for the S.S. Go down to Hubbards and leave a note for him, get a letter from Mrs. Kemnicott. Go up to office, get a letter from Capt. S. See Stearns, lunch with him. Go around with Capt. S. off to Gate back and off again. Up to his house; down to the accidental; meet Coles, just from Arizona; go up to Hubbards house and dine with him. Go and call on Miss de Ro, go home with Mrs. Kochkin. Up to Stearns', all abed. go down to Chappels Room and sleeping under a newspaper only

THURSDAY 7

catch a bad cold. Morning get some drawing paper go down to the pier and wave my handkerchief for an hour but get no response; go down & get the old boatman to put me aboard. Davison cross as a bear and the caulkers pounding like forty thousand blacksmiths. Get the remainder of the maps, office furniture &c together and take them ashore to the office. Work till late in the afternoon in the office on the Captains flags and having nearly finished, ruin the whole thing. Begin another, and come off to the Gate where we have a good Thanksgiving turkey. Write all evening with Black.

FRIDAY 8

Morning, late to breakfast. Go ashore with Davison Black, Smith, and Conlin, who by the way, has resigned his commission on account of having to live aboard the vessel. Go down to the office and draw a sheet of flags for Capt. Scammon to send East. Spend nearly all day at work on it. Have a disagreeable cold. See Gross of the Bulletin and learn that my memoranda will be published in tomorrow's Evening Bulletin. Get my address cards. See Stearns and go home to dine with him. Spend the evening looking over shells and sleep there.

SATURDAY, DECEMBER 9, 1865.

Morning, up late, and after breakfast, down town with Stearns and into the office. Draw and finish sheet of flags for Capt. Scammon go in to Stearns office down town with Col. Bulkley who assures me of a berth on shore as soon as the vessel is moored at the wharf. Round to lunch with Stearns and find that there is no chance to go over to Dr. Newcombs as proposed on account of a lease to be looked over. Go down to Raymond and look over a lot of shells of Bridges. Go up to office, meet Capt. Scammon, fix his ^{bag} ~~bag~~ is fixed, and then on board.

SUNDAY 10

Morning awakened by the rats running over my head & the rattling of the hawser attached to the tug Merrimac which is to take us to our moorings. Captain Scammon comes aboard stays a few minutes and goes ashore again. About nine o'clock we are made fast to the pier in Mission Bay near the Potrero. Go up to Starr Kings church where Mr. Stebbins preaches a good sermon. Walk down town with Mrs. Voyes. Mrs. Kie quite sick. Go over to Am. Ex meet Whymper &c, go over to his room, meet Labome go over with him to his room. Go to Mr. L. L. Lowe to dine and in the evening call on Consul Klinkofström. aboard

MONDAY 11

Go up town about ten o'clock, go down to the office. step in and see Stearns. Talk over Bridges & Labb. Go to Basqui's and get diary for 1866, new bound. Go to Grays, get my insignia repaired and new bug made. Bancrofts and look over books. Up to the office, Col. wishes me to live aboard the vessel. Write up notes & mems. Afternoon, Pay my debts to Capt. Scammon, Stearns & \$25.00 on my note to Paine. Go round looking for a Derringer, meet Ames, who goes round with me some till we meet Mr. Swain. Back to office finish flags for Capt. on board. Even. call on Stebbins —

TUESDAY, DECEMBER 12, 1865.

Morning, Capt. Seammon, comes down to the vessel & orders me to finish Woll's designs for uniforms, and to occupy Walker's late cabin in the wardroom. Go down to the office with the captain, and finish the designs.

See Stearns and go to dinner with him. Make appointment with Bugbee to meet him at seven. Go down and see Gabb's plates of tertiary fossils. Buy an overcoat and go up with Stearns. Label Raymonds shells. Meet Bugbee, go over to Mrs. de Ros, and play whist. Go over to the Chinese theatre with him, back to vessel, taking some grub and meeting Black & the captains by the way.

WEDNESDAY 13

Morning, disagreeable and chilly. Get a note from the Captain ordering me to make another copy of those blasted flags. go down to the office and set to work.

Work almost all the morning at them and part of the afternoon. Go down to see Hubbard, about boxes the one sent by the Clara Bell, not having yet connected. Lunch with Whymper, and introduce him to Gabb.

Go down to dinner, on board. Evening, call on Col. James late collector, Mrs. Raymond being at dinner go to the Consuls, leave some flowers for the sick ones; and return to the Occidental. Spend the evening there and go aboard.

THURSDAY 14

Morning, prepare to occupy Walker's room. Take Tom Denisons furs to his mother, and all my Indian curiosities to Mr. Hubbard, as I know mother would regard them as rubbish and if she hasn't room for Indian shells, she hasn't for Eskimo curios. Look over Hubbards shells from Paumotu Islands, with R.E. C.S. and receive a number from him. Work on the sheet of flags & Raymonds shells in the P.M. and half finish the latter. Evening, go up with Black and call on Capt. Seammon and afterwards on Miss Bulline & Bolander who offers me the use of his microscope.

FRIDAY, DECEMBER 15, 1865.

Morning oversleep myself, and lose breakfast. Take Col. Bullkneys box of mosses down to the Occidental, and the bottle of quicksilver to the office.

Finish sheet of flags for Palmetto. Go down to lunch with Stearns & Bacon, get some books for Christmas. Hubbard out & no letters. Arrange some of Raymonds shells for him, and down to the vessel, late to dinner. Up town with Glover, call at Stearns' & go to the Annual Exhibition of the Lincoln School. Very fair, but crowded & no pretty girls. Back to ship meeting Black by the way.

SATURDAY 16.

Morning down town, go to office, enquire about Elliott, snub Chappel on slop chest etc. Down with the captain to Davis', change book at Bancrofts, down to Hubbard for letters, out & nowhere, into Stearns' office, down to Raymonds, finish up his shells, down to office leave parcels, and off to Stearns'. Prof. Bolander comes in and have an interesting talk. Over to Oakland to see Dr. Newcomb, who gives me several new species. Back, taking dinner with him and spend the evening at Stearns. Back to vessel late, and write to Baird.

SUNDAY 17

Morning, move some of my traps down to the ward room and go to church with Glover, Mr. Ames preaching. After church go up to Stearns' and work over the shells for a little while. Go out to Mrs. Bridges' with him, talk with her & return to Stearns to dine. Read him my letter to Baird which he approves of. Evening, go round to the South Park, they are all better at the Consuls. On board early, write up mems. copy Bairds letter and write a short note to Mother.

MONDAY, DECEMBER 18, 1865.

Morning. Write out with care the accounts of the Slop chest for Chappell, with Black. Spend most of the morning and part of the afternoon at it and get it finally finished. Go up town, call at the Captains but find all out. Go to the office leave w/c with Chappell, get shells, bundles, & books go into Stearns office, who is sorting a large quantity of Monterey shells and back to dinner. Evening to the Acad. meeting, am elected resident member, and appointed on committee to draught resolutions in regard to the death of Dr B. Present by title, a memorial article on him

TUESDAY 19

Morning after breakfast, set to work and make a lot of paper tubes to stow shells away in. After lunch go up town with Mr. Black, stop at the Captains house. He will not, probably come aboard to live. Contin left by this steamer, Dr. Fisher and Smith by the next probably. Go to the office get boots and go in to Stearns office who is sorting over a lot of Monterey shells. Back to dinner, and work at shells till evening when I go up town to Mrs de Ros, where I meet Miss Nettie Ritchie & Chas. de Ro, and Mrs. Ladd. Back to vessel & work on shells

WEDNESDAY 20

Morning. In the morning get some paint and paint the chest in which the scientific material is stowed. Clean myself up afterward. Deliver the mem. of the land forces. Go to Capt. Scammon, go up to the office with him. Go and call on Dr. Kellogg, with Lebon. Up to the Geological Survey rooms, meet Cooper, talk & lunch with him. See Stearns arrange for a talk over Ac. matters with Bolander, Hubbard, and Kellogg tomorrow night. Back to dinner and in the evening go up to eleventh street, call on Mrs Bridges & get materials for memorial.

THURSDAY, DECEMBER 21, 1865.

Morning walk up town with Everett Smith. Go into Stearns office and mount a number of specimens of Monterey shells on cards for identification and reference. Go down to old Robison and get some rare shells. Lunch with Stearns; Survey Rooms closed, up to his office, tell Col. Bulkley about Bridges' plants. down to the Survey Rooms, with Dr. Cooper identify the mounted shells and obtain a lot of Cal. shells from him. Back to vessel, get lamp and call on the Captain by the way. Evening at Stearns office, with Prof. Whitney, Stearns and Bolander discuss Academy affairs and election of officers

FRIDAY 22

Morning. Get bones of fur seal out of the barrel and put into a bag for transportation. Capt. S. comes down and speak to him about hasps and padlocks for chest. Go out to Mrs. Bridges' and work over the Chilean and Bolivian plants, finding most of them in good condition. Take lunch there and come down about three to town. Get top for lamp and go aboard after dinner, write and put things in order and go up town with Black, leave card at Miss Coates, and call at the Convent where Olga is finally down again after her painful illness, as pretty as ever. Back to ship at ten.

SATURDAY 23

Morning. Look to packing of shells &c for transportation. about ten start up town and go out to Mrs. Bridges' and look over the rest of the plants. Stay to lunch and go down town looking for button covers books &c. Every thing is gay and the preparations for Christmas are very numerous. Go down to dinner on board and work on shells till seven when I brush up and group to Stearns with a box of un-named shells to identify. Remain all night there.

SUNDAY, DECEMBER 24, 1865.

Morning sleep late and spend all the morning and most of the day going over Stearns' collection with him taking out many duplicates. He is a very generous fellow and a regular trump. Day wet rainy and disagreeable. After dinner, at shells again and about seven o'clock go over to Capt. Noyes' and spend the evening. Captain, his daughter & son Wm. were there. Mrs. Noyes has been quite ill for a long time. Back to the ship about eleven and write up notes, memoranda &c. Queen mess Wandle has made about Newport's coming out here.

MONDAY 25

Christmas Day. Go up town in the morning and get some button rings. Spend sometime searching for my shoulder-straps which have mysteriously disappeared. and after looking through my things from top to bottom find no trace of them. Write a long letter home about Kamohatka. Captain and Mrs. Scammon come down in the afternoon, also Captain Marston and Miss Plummer. Evening go up to Consul Klinkofetroms and spend the evening. They have a Christmas tree, and Olga and Jannie give me a pretty scarfpin. Meet Russie and Mrs & Mrs Stahl and Doctor Polinski. Back at eleven

TUESDAY 26

Morning down with Field stopping for Black at the Tailors & Alta office. Stop at Hubbards, out as usual. Get a cart and go out to Mrs Bridges and get the plants which take to the ship and carpenter sets to work on the box. Take the keg to Hubbards, up to the office and round to Stearns. Go to lunch and Henry Payot with him. Go to Town & Bacons & Boesqui's after paper. Up to Dayleys, (out) see Dr. Kellogg, H. Pierce, and up to the Survey Rooms where I meet Cooper who gives me some good shells. Evening round to Hubbards.

WEDNESDAY, DECEMBER 27, 1865.

Morning. Get all boxes as far as possible boxed up. Find keg leaky, and have a new bottom to put into it. Get in all five boxes & kegs, one of Bridges plants, two of tusks and bones. One keg of my own collections and one of Hubbards. After lunch go down to Dr. Ayres with Glover, then up to the Cos. office, then into Stearns' office down to Hubbards, pack up his fish for the steamer and down to dinner on board. Read papers and in the evening leave card at Lows & go to R. Stearns

THURSDAY 28

Morning. Close boxes &c and with two men take the dingy and row to the P. Mail. S. S. Cos Wharf, where after some delay I deliver to Mellen, the three boxes and one keg containing the remainder of our specimens. Go down town, step into the office, down to Hubbards (out) Evans of Alta (out) Survey rooms, get a glass for aquarium, see Stearns, Iwain, &c. Up to Capt. Noyes to get bundle, aboard with it to dinner and in evening call at Mrs de Roq. (girls out) walking up with Glover. Play chess with Jessie & Charlie & Whist.

FRIDAY 29

Morning, a beautiful day; the last few days have been delicious but unhealthy. I have the worst cold I have had for a year. Stay quietly on board and write up memorial of Bridges and resolutions required for the next meeting of the Academy. Afternoon, go down town, call at the office, leave Col. Bulkeley's book at the desk of the Occidental. Leave sketchbook with Whympers, down to Survey office, see Gove about Petropavlovsk work on shells. in evening down with Black to Capt's.

SATURDAY, DECEMBER 30, 1865.

Morning, remain aboard till Captain Seammon comes down. Go up with him to the office Report collections all shipped; to the Colonel. Go down to Tel. office and send Col's telegram, "Three boxes and two kegs, shipped by steamer today. Balance of collections." Go to Jackson Street Wharf, Capt. Seammon comes down and we see Higgins who says that there will be no difficulty in getting to Monterey, without much expense. Go over and see Dr. Newcomb, who gives me many shells, in evening, back and call at Bolanders going down.

SUNDAY 31

Morning, after breakfast, dress, and go up to Starr Kings Church where Mr. Stebbins gives a fair sermon on the Character of Ecclesiastes. Go up to Stearns' (offth dinner) church and look up Bullina &c. in connection with the Lomatelloid shell he has from Monterey. After dining with him, go down to the consuls where I take tea and pass a pleasant evening. Miss de Ro comes in, in the course of the evening. My shells are getting to fill up my stateroom tremendously. Since our arrival here I have dispatched our collections to Washington, started in with Stearns and the others, to wake up the Cal. Acad. from its its apoc state; written a memorial of Dr. Thos. Bridges. Collected some 500 species shells. Made preparations to work up the Californian mollusks at the Survey Rooms, obtain Bridges' collection of Chilean plants for the Smithsonian.

The year is ended. It has been a successful and eventful one for me. Another may be less of either or both. I shall continue my present philosophy, of minding my own biz, and pinning my faith on nobody's mantle. So exit 1865.

MEMORANDA.

A. Langford, 6 Decatur St. Boston.
 J. A. Lapham, L. S. D. Milwaukee, Wis.
 G. P. Page, Care C. A. Miles, Brattleboro', Vt.
 Miss Anne Newman, 9 Ashburton Place. Boston.
 L. Wilson, 585. Harr. Av. or Hubbard and Sturcken, St. Alb.
 Charles Carret, 131. Pearl St. Bursley & King.
 L. Merriam, 45, Dwight St. Boston.
 Alpheus Nyatt, Gorham, Me. Care Boston Soc. Nat. Hist.
 Rev. E. C. Bolles, Portland, Me.
 A. N. Cleveland, 248. S. 8th St. Philadelphia.
 A. S. Langford, Smiths plantation, Beaufort, S. C.
 Col. J. W. Foster, S. E. Cor. 12th St. Chicago, Ills.
 A. N. Worthen, Springfield, Ills.
 Geo. C. Wather, 201, Michigan av. Walker, Bronson & Co.
 Mrs James Macdougall, 109. State Street, Chicago
 S. S. Greeley, 88. Dearborn St, Care Rees & Nyres.
 G. P. A. Healy, 259. Wabash av. Care Ogden Fleetwood & Co.
 Dr. Wm Stimpson, Chicago Acad. of Sciences.
 Dr. Henry E. Bannister, Evanston Ills.
 Mrs. Jno. A. Remicott, The Grove, Ills.
 Homer E. Sargent, Genl. Freight Agent Mich. Cent. R.R.
 Wm A. Nason, Chicago Acad. of Sci. Chicago, Ills.
 Dr. Edmund Andrews, Chicago, Ills.
 Wm Lyon, Chicago, Illinois.
 L. L. Maxter, Care Codman & Shurtleff, Boston Mass.
 M. A. Merriam, 45 Dwight Street, Boston Mass.
 Dr. Thos. M. Brewer, Care Brewer & Filston, Boston Mass.
 N. Bolander, 60, Second Street, San Francisco, Cal.
 Charles Wendt, Bank of Cal. " " "
 Capt Amos Noyes, Guy Place " " "
 Rev. Horatio Stebbins, 930. Delany Street " " "
 Mr Lugevil, Sitka, Russian American Possessions " " "
 N. Klinkofstrom Russian V. Consul San Francisco, Cal.

MEMORANDA. Feb. 1. 1865.

On the 16th of July, 1864, I was engaged by Col. J. W. Foster, of Chicago, to accompany him as his assistant, to Lake Superior, on behalf of the Iron Cliffs Co. with a pledge of one years employment. I left to accept this position a situation in the Land Office of the Illinois Central R.R. where I held the confidence, I believe of both my companions, and my employers. I took this step at the advice of Col. F. & Mr. E. N. Sheldon, a shareholder, & brother in law of the most heavily interested man, except Mr. Silden viz Wm B. Ogden. They assured me of permanent employment, at a reasonable rate of compensation. I went by Str. Planet to Marquette arriving July 20. and was with Col. F. in camp all summer, and I believe fulfilled my duties, as clerk, paymaster, explorer, timekeeper, and geological assistant, to his satisfaction. Messrs Silden, Ogden Dunlap &c came to examine ^{my work} about Sept. 16. With out any request, Mr. Ogden, and Mr. Silden proposed to me to return (contrary to my previous plan) to Chicago, and work up the analyses of the ores. They also, spoke well of my work and assured me of permanent employment if I did my duty and stuck by the Company. I returned with Col. F. about Oct. 3rd & all preparations were made, except a few minor details, to go on with the assays, when he started for New York, Nov. 5th or thereabouts. Delays occurred till nearly the first of Dec. when I rec'd a letter from Col. F. saying that Mr. Silden had contracted with Dr. Draper of New York, to do the work which had been promised me; and that on being asked the reasons for this change replied "This Company is not an eleemosynary Institution for the education of young men." Thenceforth to Feb. 1st I was busily employed in assisting Col. F. to draw up his elaborate Report, on the Summers work and the accompanying sections Maps &c. I was then informed by him that he should soon have no further work for me, and that he had not been informed that any had been provided for me elsewhere. About six of the twelve months for which employment was pledged me had passed. I then wrote to Mr. Ogden laying these facts before him, and await his answer.

MEMORANDA.

Feb. 8. Settle with the Company through Col. Foster to Feb. 6 at \$65.00 a month, and pay him \$8.00 for board per week. Feb. 17. Write Bob. to this effect. If I go, I cannot save enough to support myself while ^{up, any part of the} working collections scientifically after my return. I can get no help from the Smithsonian. If I remain in the service of the Telegraph Co, I cannot of course do any scientific work. If you will show me the way in which I can earn a bare support (all I ask) and still do valuable scientific work, (for, say, five years,) I will go. If nothing turns up here, of any value, I will go. But other wise I do not think I am called upon to do it. I should not desire to go as a mere collector & taxidermist; or as a mere employe of the Telegraph Co at \$30. a month without a chance to do some scientific work on returning Mar. 4. The lead men not coming to time, I decide to go with Bob. Mother agreeing. Mar. 8. Leave Chicago for New York. Mar. 21. Leave New York for San Francisco Mar. 31. Arrive at Graytown. April. 12 Leave San Juan del Sur. for San Francisco. April 25. Arrive in San Francisco. Kept waiting with vexatious delays and many annoyances for nearly two & a half months. Leave San Francisco on the twelfth of July, on bark Golden Gate. Am appointed Acting Surgeon. Sailed 14th of July from Drake's Bay for Sitka, leaving our consort the Geo. S. Wright to steam to Victoria with Col. Bulkley & Kennicott direct. Arrive at Sitka after a prosperous voyage & find the Steamer there, August 9th & that day am ordered to duty as ship surgeon of the Gate. 19th, resign to Dr. Fisher and am ordered on duty as store keeper of the Clothing department. 22nd Leave Sitka in company with the Wright for the Aleutian islands. Sept. 1. Separate from the Steamer. Sept 12. Arrive at St. Michaels. Norton Sound. See Kennicott under way but not

MEMORANDA.

off and leave for Plover bay to meet the steamer, on Sept 17. Arrive at Plover Bay Sept. 25. Steamer sails 27. Leave Sept 29. Arrive at Petropavlovsk, Kamchatka Oct 15th. Steamer arrives Oct. 20. and leaves Oct. 31. We leave November 3rd, having shifted my quarters to the cabin. Reach San Francisco, after a heavy gale on the 30th the Wright arriving the same day, earlier. Badly damaged in the same gale. Send off our collections to Washington. Secure the Chilean plants of the late Dr. Bridges, for the Smithsonian, write a memorial for the Cal. Academy for him. Add largely to my own collections. Make preparations to work at the Survey Rooms. Start in to help up the Cal. Academy, to a state of usefulness.

So ends the chapter for 1865. An eventful and successful year for me. With strength, opportunity and the help of God, I will be way ahead next year of my present position.

MEMORANDA.

Telegraphed Baird
Dec. 1.

Kennicott & his party including Pease and Bannister were left at St. Michaels, Norton Sound Sept. 17. All well. The seasons work is successful though small. I take charge in his absence. Let them know at home of our safe arrival. Particulars by mail.

Dec. 6.

Shipped today five boxes for the steamer of the month how many have already arrived?

Dec. 21. Per Col. Bulkley.

Dall has secured Dr. Bridges collections of South American plants. They will be shipped by the next steamer.

Dec. 30 Per Col. Bulkley.

Three boxes and two kegs shipped by today's steamer Balance of collections.

Letters to Baird.

Nov. 11. full account of every thing up to arrival in San Francisco, inclosing copy of Report. Str. of 9th Dec.

Dec. 16. News and inquiries as to destination of my shell collections (see extract.) Overland.

Dec. 22. News and particulars of Bridges plants, by Str of 30th.

MEMORANDA.

Storage no. of my books at S. I. Washington D.C. is 1921.

- Friends in Frisco.
 • Mrs. Capt. Amos Noyes. Guy Place.
 • Miss Bowline. e.g. Bullene. Mission St.
 • Rev. Mr. Stebbins. 730 Celay St.
 • R. E. Le. Stearns.
 • Dr. Wm Newcomb. Oakland.
 • Dr. W. O. Ayres. Howard St
 • Mrs Taylor.
 • Mrs Raymond. Occidental Hotel.
 • Mrs Klinkofstrom. South Park.
 • Saml. Hubbard. Laurel Place.
 • Mrs. de Ro. South Park.
 • Mrs Lewis.
 • Mr. Homer. College of Leala.
 • C. C. Low. Cor. first & Harrison Sts.
 • Mr. Ames. " "
 • Mrs. Denison. 704 Howard St.
 • Mr. Bacon. 929 Howard. St.

CASH ACCOUNT. JANUARY.

DATE.		RECEIVED.		PAID.	
		\$		\$	
Jan. 1.		\$	50 00	\$	
Jan. 9.	New Boots.			7	00
" 11	Rep. on old do.			2	25
" "	Blank Book.			1	50
" "	Enough Medicine.			1	00
" 13	Telegram.			2	20
" 14	Crackers.				10
" 19	Cupper.				80
" 25	Glycerine.				30
" 25	Rec'd of W. A. Nason, on ac.	12	00		
" 26	Pent S. N. Scudder, for books.			13	50
" 30	" F. W. Putnam for E. I. Proc. for '65.	2	00		
" 31	Carfares.				20
	Totals	\$	64 00	\$	28 35
			28 35		
		\$	40 65		
	To carry.				
	Scientific &c.				
May 20.	Rec'd on Sci. &c. R. Kennicott	\$	4.00		
23.	Paid for alcohol,			1	00
27.	" " boat to Palmetto.			1	00
"	" " cigar boxes, 1 doz.				75
29	" " alcohol,			1	00
Jun. 2	" " cards,			2	50
"	" " alcohol.			1	00
16	" R. Kennicott,			2	75
	Paid up in full & settled per private &c				

CASH ACCOUNT. FEBRUARY.

DATE.		RECEIVED.		PAID.	
		\$.	¢.	\$.	¢.
1	On hand.	45	65		
1	For mending glasses.			65	
1	binding Carpenter &c.			2 00	
4	J. W. Putnam. additional			1 00	
6.	Gloves.			1 50	
7.	Cash.			20	
8	Binding.			3 60	
8	Settlement with the Iron Cliffs	226	46		
"	Paid Col. H. for board 13 weeks			104 00	
9	Heat.			4 00	
"	Carfare.			25	
13.	Expressage.			1 60	
14.	Knife.			1 50	
16.	Recd of Nason.	3	50		
20	Sent Seudder on 1/2 of books			3 50	
"	Car fare.			10	
22.	Dinner.			35	
26.	Supper.			35	
26.	Contributions. B. B.			2 50.	
Total		275	61	127	10.
Less board to Mar. 1.		142	10	10	00
Paid J. Washington.				137	10
				5	00
				142	10
On hand		\$133	51		

CASH ACCOUNT. MARCH.

DATE.		RECEIVED.		PAID.	
		\$.	¢.	\$.	¢.
2	Pay J. Washington.	133	51.	4	50.
4	Recd of Geo. C. Walker.	9	00		
	Pay Frank Davis.			20	
	Pay Geo. C. Walker.			30	
	Car fare			05	
	Robt. Kennicott.			1 65	
5.	James Tolman for suit.			42 00	
6.	Hammel shirts 3			6 75.	
6.	" drawers 1.			2 00	
6.	Paper collars, 20.			85.	
6.	Trunk.			14 00.	
7.	Board to Wednesday. 8th.			6 00.	
"	Two pair of woollen drawers.			8 25	
"	Mittens.			3 00	
"	Recd of Geo. C. Walker for prospective services in Washington, on collections	25	00		
8.	Expressage on trunks.			85	
9	Sleeping car, and dinner.			1 65	
10	Dinner.			75	
"	Room at Harrisburgh.			2 00	
11	Uke and Kennicott.			15 00	
12	First Unitarian church of Wash.			5 00	
"	Recd from Uncle William	50	00		
16	Expenses in Washington.			12 00	
	Books.			25 50	
	Expenses to New York.			12 11	
	" in " "			36 20	
	On hand			25 00	
		227	51	227	51

CASH ACCOUNT. APRIL.

DATE.		RECEIVED.	PAID.
1	From R.K. on 1/2 Tel. Co. specie.	\$ 18 50	
5	Spent in Greytown & transit		12 00
	On hand reduced to specie.	12 50	
29	Cash spent for sundries,		2 00
30	Rebinding this diary.		1 00
	Total,	31 00	15 00
	Expended,	15 00	
	On hand	16 00	
	Return to a specie basis		
	Charged to my ac C.O.F.		
	Four doz photographs @ ^{1.50}	\$ 6.00	
	Uniform	69.00	
	Dentists bill,	100 00	
Mar. 20	Cash \$30.00 (greenback) gold.	18.50	
	Additional tailors bill	16 00	
	Cap,	3 00	
June 16	Cash	25.00	
		237 50	
26	Recd from Chappel.	2 50	
24 & 26	Paid on Cos ac (see 1/2 June)		2 75
28	1 doz photographs (1 cap July 5)	\$ 1 50	not used
30	Cap ornaments & straps, pd. myself.	19 50	
July 6	Deduct 1 doz photographs.		1 50
	See p. 1. of add. mems. Bills Rec. Dec.		

CASH ACCOUNT. MAY.

DATE.		RECEIVED.	PAID.
	On hand	\$ 16 00	
1	Recd from Rothrock	10 00	
2	Paid for washing (1/2 R.)		3 50
3	" " carting		2 50
3	" " sundry cash		2 00
4	Paid Rothrock		7 00
4	Recd from Kennicott.	7 00	
4	Paid for packing Nic. col.		4 50
	Lent Henry Elliott		3 00
5	Spent for Soda water		25.
9	Paid Major Pope		5 00
10	Knife.		1 50
14	Cash. for washing		50
17	From Pope & Elliott,	8 00	
"	For fruit.		50
"	Home,		2 00
20	Oakland fare,		50
"	For Alcohol		1 00
"	Boots		30
27	Paid Charley Pease		1 50
23	Recd from R. Kennicott.	1 00	
30	Paid cash		60
	Totals,	\$ 42 00	\$ 36 35
	Paid out,	36 35	
	On hand,	\$ 5 65	
	Spent	\$ 237.50	
	Less 3 mos.	90 00	
		\$ 147 50	

CASH ACCOUNT. JUNE.

DATE.		RECEIVED.	PAID.
1	on hand,	5.65	
1	Paid Cash for washing.		1 70
2	Lent \$1 Kennicott		1 20
	Paid waiter		25
	Paid for cards for drawing.		2 50
	Fruit		25
4	Recd from Kennicott	5 00	
6	Paid Kennicott		50
"	" for washing		1 75
"	" " tip.		15
9	" " Sundry articles		25
10	Recd of R. Kennicott.	2 50	
"	Paid for fruit		20
"	" " boot-reps.		40
13	" " blacking brush & glass.		50
14	" waiter		50
16	" Geimans bill for tailoring &c		6 50
16	Recd from Scott R. Chappell on %	25 00	
"	Paid R. Kennicott. (due \$2.75)		7 75
"	" B. B. Thayer.		50
17	" for boots, trunk screws &c.		75
19	" Chas. Pease.		2 50
"	" cash		65
21	Drove to Oakland & back.		1 50
22	Paid Ketchum		75
"	" for studs		1 00
23	" " box		15
24	" for Cartage for Co &c		1 75
26	" " " "		1 00
"	Recd of Chappell, " "	2 50.	
27	Recd of Chas. Pease.	4 00	
	Totals	\$ 44 65	\$ 34 95

CASH ACCOUNT. JULY.

DATE.		RECEIVED.	PAID.
July 1.	On hand	\$ 8 85	
3.	Cash		15
5.	Washing.		2 50
7.	Paid Denison for Mattrass,		1 50
"	Recd of Chappell on %	106 40	
"	" " on bills paid	4 50	
"	Paid for Blankets, (one pair brown)		12.00
"	" Van Tassells bill (of mil.)		21.00
"	" for towels,		1.50
"	" " spectacles, & reps.		4.25.
8	" " socks, (six pr. woolen.)		3.00
"	" " two boxes blacking.		
"	Recd on Scientific &c	20 00	
"	Paid " " " Pill boxes &c		6 75
"	" " " for " " Potash		2 75
"	" for test tubes, glass &c.		3.50
"	" " cigar boxes (5 doz at 50¢)		2 50
"	" " Sundry articles		50
"	" Dr. H. J. Paine, for dentistry, cash.		50.00
"	" " " by note		50 00
"	Recd amount of bill receipted	50.00	
9	Paid for 1/2 pt brandy.		25
10.	For gloves		1 75
12.	Recd of Leapt. Scammon.	7 50	
"	Pay for medicines		5 25
"	" " scales.		1 25
13	" Kennicott to expend for me at Victoria		20.00
	Recd	\$197 25	
	Expended,		190 40
	On hand	\$ 3 00	

CASH ACCOUNT. AUGUST.

DATE.		RECEIVED.	PAID.
Aug 1.	On hand.	\$ 3 00	
12	Lent Alex. Harder.	2 50	2 50
19	Bought three shirts of Harder.	2 50	
	on hand.	\$ 50	
19	Sold matches, to Arnold.	1 50	
20	Bot clams of an Indian.	.	25
	On Hand.	\$ 4 50	\$ 2 75
		\$ 1 75	

CASH ACCOUNT. SEPTEMBER. & OCTOBER

DATE.		RECEIVED.	PAID.
	On hand	\$ 1 50	
14.	Recd from R. K.	5 80	
14.	Paid R. K.		1 25
14.	Paid bath man.		1 05
20.	Sold mittens,	3 00	
Oct.			
28.	Expenses to Avatcha & back		4 20
30.	" church		40
31.	glass		30
	Total recd	\$ 10.30	\$ 7.20
	Expended	7 20	
	On hand	\$ 3 10	

CASH ACCOUNT. OCTOBER.

DATE.	RECEIVED.	PAID.
31 On hand to carry.	\$ 3 10	

CASH ACCOUNT. NOVEMBER.

DATE.	RECEIVED.	PAID.
5 on hand	\$ 3 10	over.
<u>December.</u>		
Dec. 14 On hand	\$ 17.55	\$
15 For repairs to insignia		6.50
" " books.		4.00
" " ticket to Lincoln School Ex		.50
16 Fare to Oakland & back.		.50
20 Pillboxes (wooden 4 oz, 1/2 gross)		1 40
21 Cottonwool		30
" Borrowed of Stearns.	25-	
" Paid for Tellina cumingii, &c		25-
23 Book for Mary Stearns.		50
24 Button rings.		50
26 Lunch. & Stearns.		65-
27 Key.		15-
28 Dental instruments		30.
28 Glass globe for aquarium.		1 00
30 Fare & expenses to Oakland		75
On hand		17 30
		50
Totals	17 80	17 80

CASH ACCOUNT. DECEMBER.

DATE.		RECEIVED.	PAID.
1.	On Hand.	3 10	
1.	Borrowed of Stearns.	20 00	
	Paid for coat.		7 00
	Paid for new boots.		6 50
	" repairs to old ones.		75
	" Hair cutting		25
	" new watch crystal.		25
	" dinner -		75
	" Diary.		1 25
4.	Lent Wright,		1 00
7.	Rec'd of Capt. Scammon,	20 00	
	Paid Stearns.		10 00
6.	Paid for washing,		4 50
	Fruit,		15
7.	Cards.		2 15
8.	Dinner.		1 00
8.	Lent Glover		2 50
10.	Rec'd of Glover,	2 50	
11.	Paid Stearns		10 00
10.	" H. J. Paine on Note,		25 00
11.	" Captain Scammon		20 00
11.	" Black for Derringer,		10 00
11.	" Chappel,		6 75
11.	Rec'd of Wright,	1 00	
11.	" W. H. T. Co, To Dec. 1.	100 00	
11.	Paid for binding new Diary		2 00
12.	" overcoat,		15 00
13.	" purse,		1 50
13.	" cider,		50
13.	" flowers.		25
	Totals	\$146 60	\$129 05
	To carry back one page.	\$18 55	on hand

BILLS PAYABLE. JANUARY.

DATE.	NAME.	DOLLS.	CTS.
Jan 13	Letters written		
	Mother. R. V. Keurtiss. 14. Ino. G. Anthony, Hyatt. Mother		
18	Mother? Grandma Dall. Miss Langford. 19. Ellen M. Wilde.		
24	Sadie. Tom Newell. B. Westerman. Mother. 26. Scudder. 30. Putnam		
30	R. C. Chace, Wesson. 31. Miss Merriam.		
	In all 19.		
	Letters RECEIVABLE. Received.		
Jan 10.	Ino. G. Anthony. 13. Mother. Sadie. H. Hyatt . 14. L. H. Scudder		
18.	Mother. 19. Mrs. Evers. 20. Sadie. 24. Mother. 27. Mother		
	In all 9.		

Letters written,
BILLS PAYABLE. FEBRUARY.

DATE.	NAME.	DOLLS.	CTS.
Feb. 1.	Wm B. Ogden. Grandfather, Mother, 2. J. G. Anthony.		
3.	Putnam. 5th, Mother, 9. Stimpson. & Put. 11. Mother		
11.	and Kennicott. 13. N.E. Bannister. D.D. 15. F. Langford		
16.	Mother. Miss Cleveland and Miss Merriam. 17. Kennicott.		
20	S. H. Scudder. 24. Theobald. Mother, 26. mother. 28. L.		
28	Merriam. Sadie. Putnam. Bailliere Bros.		
29	In all 24.		
	Since Jan 13. 43.		

DATE.	NAME.	DOLLS.	CTS.
Feb. 3.	B. Westerman & Co. RECEIVABLE. 4. S. Scudder. Putnam		
4.	Mother & Father. 6. Parcels from B. Westerman & Co.		
6.	S. Scudder. 8th, Heyatt, and parcel from Put.		
10.	Mother & Sadie. 13. L. Merriam and Allie Cleveland.		
16.	Mother. Kennicott. 20 W. Stimpson. 21. Mother. 22. Kennicott.		
25	Putnam. 27. Sadie. L. Merriam.		
	In all 20		
	Since Jan 13. 29.		

Letters written
BILLS PAYABLE. MARCH.

DATE.	NAME.	DOLLS.	CTS.
Mar. 1st	Robt. Kennicott. Ino. Baxter. Geo. C. Walker. 5. Father, mother.		
5	J. G. Anthony. H. Langford. Dr. Gould. Grandma Dall.		
5.	Shaxter. Tom Newell. James Tolman.		
6.	Allie Cleveland. S. C. Clarke. 9. Lizzie Merriam.		
11.	Mother. Austin Dall. 12. Uncle Wm. Miss Anne Newman		
12.	Stimpson. Nason. 13. Sadie 17 mother & photos to		
	L. Merriam, Nellie Wilde Allie Cleveland and F. S. Langford		
17	Mr Sol Brown 18 mother 31. Mother Grandma		
31	Healey Grandma Dall. Father. F. S. Langford		
	In all 36.		
	Since Jan 13 79.		

DATE.	NAME.	DOLLS.	CTS.
	RECEIVABLE.		
2.	J. N. Scudder, and mother. 4. mother. 6. Allie Cleve		
6.	land, and an estray the second in a few days, one		
	to Wm. 14. Doll. the other to Wm. H. Dale. and 7th		
	another to W. H. Dole. 11. Mother. Thomas Newell		
11.	Allie Cleveland. 12. Mother and Uncle William.		
	encl. \$50.00 L. L. Shaxter. 13. Sadie 14 Aunt		
14	Nenretta Bailliere Bros. 17. Mother ³ Grandma		
17	Healey Aunt Marian Aunt Fannie Uncle William ²		
	Sadie 18. Mother 19. Mother		
	In all 24.		
	Since Jan 13. 53.		

Letters written
BILLS PAYABLE. APRIL.

DATE.	NAME.	DOLLS.	CTS.
18	Mother & Sadie		
19	Father E. W. Blatchford.		
27	Mrs Kennicott		
27	Mother. Grandma Hall. Mr Collyer.		
31	S. S. Greeley.		
In all 9.			
Since Jan 13. 88.			
Recd none			
Since Jan 13. 53.			

Cash a/c transferred, June.

June.	Am'ts brought forward	\$44.65	\$34.95
27	Recd of R. Kennicott	8.00	
	Paid for repairing boots,		2.50
28	Fare to Oakland RECEIVABLE.		25
29	Leash		10
30	Paid for Carpenter on Microscope		4.50
	" " chess men checkers,		1.50
		\$52.65	\$43.80
		43.80	
	On hand -	\$8.85	

Letters Taken in Charge from St. Michael to
Hrisco
Dr. Bannister. Miss Adams. Mrs. Denison & daughter
Mrs. Kennicott. Geo. C. Walker. Prof. S. F. Baird.
Miss Klinkofström. Consul Klinkofström. Prof Kirtland
Mrs. Pease. Edward Fisher. Saml. Adams. 13. —
Delivered in Person at San Francisco.
5 ✓ Sent by Bark Behring, Capt Lane to San
Francisco, Oct. 20, from Petropavlovsk in ad-
vance of ourselves —

Letters written -
BILLS PAYABLE. MAY.

DATE.	NAME.	DOLLS.	CTS.
2	F. J. Langford. Mrs. Mrs. A. Kennicott.		
	Col Mrs. W. Foster. Geo. C. Walker.		
4	Dr. Thos. M. Brewer.		
14	Sadie. 18. Scudder, Mother (encl phot.)		
23	Sadie (encl ph.) Prof Baird, Putnam, Scudder & Thaxter		
	Chas. Carret.		
In all 15.			
Since Jan 13. \$8. 103.			

RECEIVABLE.

2	Ellen M. Wilde. Ino. G. Anthony. Mrs Kennicott		
13	Father encl. from Mother. 19. Miss Merriam,		
In all five.			
Since Jan 13. 58			

Sept 16	Delivered To R. K.		
	Indian goods to the amount of	\$22.00	
	Rifle.	6.00	
	bullet mould. & cap cover (100)	1.25	
	Cash Re	20.25	
	Rec'd.		
Sept. 16.	Cash		4.80
	Indian goods to the amt of		25.76
		\$49.50	\$30.56
	Due me	\$18.94	

Letters written.
BILLS PAYABLE. JUNE.

DATE.	NAME.	DOLLS.	CTS.
3	Miss Merriam. F. Langford, Temple Prime, Mrs G. A. P. Healy. Mrs. Ino. A. Kennicott. Saidie. (Photo.)		
13	Sadie & photo, 16. Thos. Newell. 29. Grandma Healy.		
29	Grandma Dall. Mother.		
	Total, 11.		
	Since Jan 13. 114.		

RECEIVABLE.

9	Sadie. Miss Langford. 16 R. E. C. Stearns. 26. Mother & Sadie (May 25) Mother & Sadie (May 28)		
	Total 7.		
	Since Jan 13. 66.		

Letters written.
BILLS PAYABLE. JULY.

DATE.	NAME.	DOLLS.	CTS.
2	Ellen M. Wilde. 5. Mother. 9. Sadie. Aunt Marian		
9	Am A. Nason. 13. Mother. Miss Klink of Ström.		
	In all seven.		
	Written since Jan. 13. 121.		
	Rec'd none, since Jan 13. 66.		

RECEIVABLE.

Letters written -
BILLS PAYABLE. AUGUST.

DATE.	NAME.	DOLLS.	CTS.
11	M. Klinkofström . Mother & Sadie.	13.	Mrs Kennicott.
16	Prof. S. F. Baird.		
	Since Jan 13. 125.		
	Rec'd in Aug. none. since Jan 13. 66.		

RECEIVABLE.

Letters written
BILLS PAYABLE. SEPTEMBER & OCTOBER.

DATE.	NAME.	DOLLS.	CTS.
3	Mother & Sadie.	19.	Father.
29	Miss Wilde.	28.	Grandma Dall.
Oct. 8.	Dr. Torrey.	9.	Geo. L. Walker.
10	Mrs. J. A. Kennicott.		Aunt Sarah. Tom Newell.
10	Prof. Asa Gray.	11.	Prof. Dana. Prof. Jno. Cassin.
11	Dr. Henry Bryant.		Miss Merriam.
12	Miss Lillveland.	14.	Sidney Gay. Grandma Healey.
14	Dr. Gould.	27.	Madame Baishan.
30	Mr. Frederic Dally.	31.	Kennan.
	Total 25		
	Rec'd none. Since Jan 13. 66.		
	Written		150 -

RECEIVABLE.

- 9. ✓ Sent in advance of the Bark Golden Gate, to San Francisco, by the Bark Behring, Capt Lane, to the care of Mr. Gamble. Tel. Spt. Oct. 20th.
- * Per Steamer Geo. P. Wright, for Victoria Oct 31.
- * Left at Petropavlovsk with Pierce.
- * Sent by Whymper to Victoria.
- * Posted in San Francisco Dec. 1. for str. of 9th.

Letters written
BILLS PAYABLE NOVEM-
OCTOBER. + DECEMBER.

DATE.	NAME.	DOLLS.	CTS.
Nov. 11.	Prof. Henry; Prof. Baird		
12.	Prof. Torrey		
12.	Geo. C. Walker		
13.	Robt. Collyer; Thompson		
14.	Miss Anne Newman		
22.	J. Y. Scammon		
23.	E. W. Blatchford		
24.	Mr. Thompson; Prof. Kirkland		
24.	Ed. D. Cope; Alex. Agassiz		
25.	Henry Ulke		
25.	Putnam; Scudder		
26.	Werrill; Mason		
26.	L. J. Greeley		
27.	Mrs Coburn; Mrs G. P. A. Healy		
27.	Mother & Sadie		
24th	Prof. H. Bannister D. D.		
Dec. 7.	Mother. Miss Merriam. 10. Mother (paper)		
16.	Prof. S. H. Baird. 18 Mother. 22. W. C. Cliford		
22.	Prof. S. H. Baird. N. W. Elliott. 25. Mother & Sadie		

Recd 24. Since Jan 13. 90.
Written, 32. " " 182.

RECEIVABLE.

- o Posted in San Francisco. Dec. 1. for str. of 9th.
- o Posted in San Francisco. Dec. 6. "

(Dec. 1. Father. June 22. July 21. Mother. Aug. 12. Sept. 12. 17. Oct. 12. 25
1. Sadie. July 27. Aug. 31. Sept. 17. Oct. 12. L. Merriam. July 7. Tom
1. Newell. July 30. Aunt Sarah. Oct. 25. Grandma Healy. Aug. 27.
1. Miss Langford Sept. 5. Oct. 8. (to R. K.) Simpson. Oct. 11. Mrs. K. Oct. 13.
1. Geo. C. Walker. Oct. 2. 11.) (one for Bischoff.)
Dec 2. Mrs Kennicott Nov. 9. Capt Scammon City. Father. Sep 8
12. Mother and Sadie. Nov 12 Ellen, M. Wilde. N. 13. (Geo. C. W.)
22

Hoager River party to meet the
Yonkon party, composed of
Frank Pope, D. T. Rothrock, Ralph Pope, G. Frost
Scoville, Birney, Maynard, Butler, Bannister
Elliott, Yates, Field,

Bannister sent back as unfit; Field, Frost
Maynard back out. Elliott comes back.
All finally discharged except Pope, Rothrock &
Yates who winter at Satala Lake.

Kamchatka Party

Mayor S. Abasa; Das. A. Mahood, Geo. Kennan
Richard J. Bush, M. Dodd, (the last added at
Petrovsk.)

Scientific Corps U. S. Ex.

1865.

major
R. Kemmick, Director, Chief of Explorations in R. Am.
W. H. Dall, Atg Director, in R's absence. Surgeon.
J. T. Rothrock, Executive officer Maj. Popes party.
H. M. Bannister, Storekeepers assistant. St. Michaels.
Ferdinand Bischoff, Pitka.
Charles Pease, Explorer. Youkon Dept.
Henry Elliott, Maj. Popes Party.
Col. Chas. S. Bulkeley Eng. in Chief } ex officio-
Capt. E. M. Scammon, Chief of Marine }

List of Company on Board Golden Gate for S. F.

Lts. John Davison, Russell Glover, R. C. Walker.
J. O. Norton, Jas. J. Black, W. H. Dall, Geo. M. Wright
Dr. H. P. Fisher, W. B. Hyde, E. E. Smith, R. M. Field,
Nicolai Fletcher, Lawrence Conlin, Capt. Kadin. Geo.
Dow. Starr Pollock, W. R. O'Donoghue.
Left at Anadyr.

Robinson, McRae, Harder, Davis, Arnold, Norton
Morse, Smith. Norton, Morse, & Davis back
Left at St. Michaels.

Ennis, Denison, Adams, Smith, Ketchum, Dyer,
Pease, Lebarge, Green, Chappell, Lotter, Bannister,
Bean, Bendeleben, Grönberg.

July 20. 1865.

It is very pleasant here at sea, with the vessel going smoothly before the wind, heading for Sitka with yards squared and wheel easy. Lying in the cosy low cabin on the lounge, with the little stove puffing its generous air about, with the little round table, just in front, and Grant, Sherman, Lincoln, Johnson, and the Shubrick, looking down at us, from black walnut frames, made by sailors out of an old table leg; with the red curtains hiding the black ports behind us and the waste of waters outside faintly plashing about the stern post, the rudder giving now & then a plaintive creak, as of a secret longing after some placid harbor. The captain bends forward and looks up at the restless binnacle, and speaks up to the faithful quarter master outside in the chilly night air and says "How many knots Quartermaster"? "Five and a half, steady, Sir"; "All right, keep her full," and we fall a talking again. Now it is of the whales and whaling; the strange sights one sees a whaling, the whales scientifically considered, and in fact stripping all that is valuable from the subject, whether blubber or bone. Now it is of dear old Boston and the good ship "Leonore" and of the China Trade and the African trade, and James Desh m., and the Avola, the Candace, the Sylph & her last hard voyage, the Marshall, &

her pleasant little master from Medford. of Medford girls and ships; and of poor Jack and his vices & virtues, and of sea birds, Jewels among the feathered tribes, of Mother Carey and Davy Jones and their chickens and lockers; of the floating crabs and pteropods and barnacles, pelagians, and wanderers. And of the family and old farm in the seaboard of the Granite State, of the old father making name and fame in the pine tree State and the boys all doing well, and now honorable and respected men in their several stations; of the family romance; what family has not its romance? with the tearful interest of life and reality in it, of courtship and marriage of true women and fickle flirts; of the girl I left behind me; of home, of science, of disinterested love work for Natural History, of generosity, daring, truth, in fine of Youth. Four bells and I bid the Captain good night and pleasant dreams, and with my guiding bug on my cap; for it is Sunday & muster and duff day; make the best of my way down into the wardroom our sea parlor and to be my home, probably, for many months. Here is Ananias, the destroyer of duff and hash who on another night would be playing seven up; discussing old times in Washington & Anasco; the marine secretary, polite, witty

and small, with a weakness for puns, and gin & sugar. Father Jack Bunsby with his horsehair beard, perusing something that looks very much unlike a prayerbook; the gentlemanly adjutant discussing the latest army news, now alas! three weeks old and likely to be older; Aristophanes discussing the ceremonies of the Greek Church with an elevation of upper lip that sets off his feeble moustache & imperial. The young man who has been a whaling & didn't get the porpoise the other day, relating some of his exploits (with the long bow?); Colby the Quartermaster, pegging away at his writing. Ananias's "old woman", fatigued with the labors of the muster & supporting his dignity, is starting for his bunk. Our healthy little executive officer, is looking on for a moment snatched from his many labors; Petrovsky is reading "The peanut woman's secret or the apple woman's revenge," in yellow covers with a likeness of a ten cent piece there on. Last but not least the Scientific Cues is posting up his log, or scratching his head over the mysteries of the ragged language of Russia, or building castles in the undiscovered country where naturalists are kings, and a new species to be got for the grabbing. Luck is life on the ocean wave and our home on the rolling deep.

Notes for the Winter '65-'66.

Names of persons to be written to, on with details of the S.C.S. work vs. the Tel. Co.

Prof. Baird*. Dr. Torrey. Geo. C. Walker. (written.)

Names of those to be written to, on the Natural History work.

Imo. Cassin (Dyers cousin) Dr Bryant 93. Stimpson. Dana*. N. Haven. H. Ulke. Alex. Agassiz. Prof. Henry. Gray. ditto personal. Prof. Kirkland. Cope. (Bl. Thom. & Seim) Putnam. Seudder. Verrill. Hyatt. Gill. Nason. General Style. Hist. of the thing. N. H. of Lower Yukon will be a success. (written)

San. Francisco. Pierce. Utterly insufficient outfit against expressed urgings of R. Circumlocution office generally. Quartermasters Dept. Next years outfit.

Bring to bear on B. recommendations of my capacity to pick an outfit. Alcohol. Prof. Parinister. R. displeased at H's obstinacy and whims but is now O.K. (written)

Mrs. J. A. R. Cheerful account of things in general. (written)

Private. Dr. Gould. Mother. Father. Grandma Dall. Grandma Healey. Tom Newell. J. J. Greeley. Mrs. Healy. F. Langford. A. N. Cleveland. L. M. Merriam. Theobald. Wesson. Chace. Ellen Wilde. Mrs. Coburn. Miss Anne Newman. Robt. Colyer. Aunt Sarah. Wesson. J. Prime. (Written)

A true copy from the original
Wit. W. H. Dall.
At Sea. Oct. 8th 1865.

Str. Geo. S. Wright.
(St. Michaels, Sept. 8th 1865.)

Dear Sir.

You are assigned to duty, as chief of Explorations in R. Am. Your party to consist of, W. H. Ennis. Thos. S. Denison! Geo. R. Adams! F. M. Smith. Frank E. Ketchum! Jos. T. Dyer. Chas. Pease. Michel LeBarge! Lewis F. Green, Andrew Grönberg! Jay Lechappél, O. de Bendeleben! Richard Cotter! (13) Of this party you are chief in command and will assign to each his respective rank and duty. Major Pope and party or any part thereof will report to you for duty while in your division. At this place supplies will be left, in charge of Storekeeper Jas. M. Bean, from whom you will draw, giving him receipts for the same. The object of your explorations is to explore the Kwichpak River, prove whether it is the Yukon, and determine how far we can use it for our ^{traced} purposes. The map accompanying this has the shortest line for our ^{work} purposes, and it is desirable to keep as near this as the topography of the country will admit, and to this end your explorations will be directed. You will treat with the Indian tribes for labor and supplies and pursue a course that will render them useful in a further prosecution of our work and you are authorized to employ such persons as you may deem expedient for purposes of exploration, construction, and repairs. Enclose with this, orders to Maj. Pope; failure on his part will not interfere with vigorous action on yours. In case of his failure, a winter party should be pushed thro' Dease Ho. to Babine Lake if possible, and communications sent to any & all parts of the coast. Your judgement and discretion must guide as facts unfold and the unknown region you visit becomes familiar. As already in our experience the clouds that were so threatening in the distance dissolved into thin mist on near approach, so I feel certain you will encounter no serious obstacle and that success will attend your patient persevering effort. Resp'y. C. S. B. Maj. Robt. Kennicott Chf. Ex. R. Am.

Mr. Fredk. Whympere, Artist, W.U.T. Ex. 3 Lots, comprising 3 spec + 10 individ.

Richard Kotter, W.U.T. Ex. 2 " " 2 " 25 "

Geo. Dow, " 4 " " 4 " 18 "

Capt. Fish, Brig Victoria, S. I. 1 " " 1 " 1 "

Mr. Tripp, Mate " 1 " " 1 " 1 "

Chas. F. Stonefield, Petropavlovsk, 2 " " 2 " 2 "

Wm. Hepburn, Esq., San Francisco 1 " " 1 " 1 "

J. K. Gore " " " 1 " 50 " 110 "

R. E. K. Stearns " " " 2 " 15 " 75 "

H. Bolander " " " 2 " 25 " 50 "

Total rec'd outside of Sci. Corps. 60 " 334 " 1406 "

Collected before leaving San Francisco 5305 individuals of 349 species, do after do, 5160 individuals of 451 species. The opportunities for collecting at Sitka were 6 days, at Ounega 1½ at St. Michaels 1, at Plover Bay 2½ and Petropavlovsk 8; in all 19 days; making an average of 272 species ^{more} of 21 species collected per day.

Beside these there were collected by Mr. Kennicott at Victoria a very large number of specimens, which he forwarded without preserving a record; and a large number of specimens undoubtedly collected by Ferdinand Bischoff, at Sitka after ~~our~~ departure. The same may be hoped of Bannister at St. Michaels. Also it may reasonably be supposed, that the gentlemen at Victoria and elsewhere, who professed themselves willing to add to our collections; have succeeded in obtaining specimens, sooner or later to be rec'd from them.

The Telegraph work, and the Scientific work notwithstanding the lateness of the season at starting, have been crowned with evident success; and it cannot be doubted that the sagacious mind which combined and fastened these enterprises, will carry them

steadily on. To a glorious and speedy consummation.

I remain very respectfully

Wm H. Dall

Col. Chas. S. Bulkeley.

~~Chief of Marine~~

Engineer in Chief W.U.T.

III

Special Notes.

No. I. Ounega Island. — This spot possesses a peculiar interest in an economical point of view, on account of the beds of lignite of good quality which are exposed there.

These beds are in layers of from one to eleven inches in thickness, separated by thin layers of fossiliferous shale. They are capped with shales and sandstones which where exposed are of a loose and crumbling character. They have a slight dip to the N.W.

From the fossils found here, the rocks were referred by Mr. Bannister and myself to the Peretaceous formation and are ^{at least} in all probability, later than Jurassic.

These beds could readily be worked at a moderate expense, and if the fuel be of a satisfactory quality as I should judge much of it is, it might effect a considerable saving to the Company. The excavations would for some distance at least require to be roofed on account of the crumbling character of the superincumbent rock, and if the extracted fuel would

have to remain long on the ground, it would be necessary to afford it some rough protection from the weather. The dip is on the wrong slope for natural drainage, but it would probably be some years before that would be of importance enough to require attention and it could then be easily remedied.

Estimates can readily be furnished to show the force and expense required to work these beds to advantage.

The scientific interests of this beautiful spot are very great, not only on account of its geographical position but because it affords a good collecting ground in every branch

No. 2. Alcohol. It is respectfully recommended, that in case of purchasing alcohol for scientific or other uses it be procured in tins, (at the same cost,) as the loss by evaporation of this valuable article, when kept in the wood, as this season, is very great.

No. III. The snow shoes in use among the Ramchadales are of the Norwegian pattern, and the following dimensions. Length 5 feet four inches, width six inches, curve 11 inches, deflection three inches. Made of tough wood impossible to split, shaved thin and covered with dried seal skin with the hair on, fastened with flour paste and a few tacks at toe & heel. The sledge or Naska total width 21 inches. runner 3 in wide, 9 feet long 16 in high. Seat 8 in high, loop 32 in. in the arch. Made of hard wood entirely without nails and lashed with raw hide.

Extract from letter of Dec. 16. to Prof Baird.

I see in a letter from Stimpson to R. K. which was here when we arrived; and which I opened according to K's directions; an observation to the effect that "he was soon going to Washington and should endeavor to procure the Academy's share of the collections" already made by us on the Expedition.

Now it seems self evident to me that the collections of every kind, particularly the alcoholic ones, should be left positively untouched and undisturbed till our work is completed. If this is not done the unity and value of the observations and collections and notes, will be greatly and irreparably impaired, and any publications made on these disturbed materials must necessarily be incomplete and unsatisfactory.

Another matter chimes in with this, which I shall mention for the first and only time. Since my arrival here, it has been said to me by several persons knowing the management of the Institution "Your collections of Mollusks will be sent of course to Carpenter."

Now my ideas with regard to this disposition of this part of the collections are as follows. It was a tacit understanding between Mr.

Kennicott & myself, and has been so expressed by him to many persons, that I should have; or completing the work as far as may be; the right to work up that part of the collections, including the description and determination of species which might be undescribed, and the right to a set of the specimens ~~after~~ the Smithsonian and Chicago cabinets had been supplied. There was of course, no written or other agreement, other than this understanding.

Now I am willing to work early and late for the advancement of Natural History, and to give up, the undeniable right, which this bodily labor entails, with regard to the shells; in favor of Carpenter or any other competent naturalist provided it is clearly shown to me that it is for the benefit of science in any reasonable way.

But with regard to it, beyond the facts in my note and the examination of the specimens collected in person by me, both of which you will shortly possess, there is not likely to be any information which might be embodied in a rehash of any one's working up of my results: In fact the credit, which I feel to be justly my due, on account of hardships and exposure incurred in the field; can only be received by one person, — the first describer of the collections. I do not think that

in saying that — in saying this much I have been selfish or egotistical.

If practicable, I would be willing to devote five or ten years of hard work, to the mollusca of the west coast, north of Puget Sound; to produce work, not like the loose descriptions of Mr. Carpenter, of shells which he has never seen alive or collected in person; but work like Stimpson's on the East Coast Mollusks, going into every detail of every species, thoroughly and well.

Do not suppose that I under value Mr. Carpenter's work, his mistakes are the inevitable consequence of describing from specimens only. Every west Coast Conchologist will sustain me in this opinion. His work when completed will be of immense value, as the mistakes are those which may be corrected by any field observer, and all the rest is what is inaccessible to most of them indeed to all on this coast.

I do ^{not} wish to make half way work, but would devote my time and strength in making the proper investigations for a thorough review of the mollusca of the Pacific north of Puget Sound.

But if you consider it as incompatible with the interests of Natural History, I repeat

✓
I will readily give up my right and title to the results, and endeavor to work as earnestly for Carpenter, or any other, as if I was to receive the reward of my exertions.

It may be that this is all unnecessary and that your views are in correspondence with mine, In any case I will abide by your decision, and only desire the thing to be definitely settled as soon as possible.

Calls made in Frisco.
Winter.

Miss Klinkofström, Dec. 1, 10, 13, 17, 22, 25, 31.

Miss De Ro. Dec. 1, 12, 19, 28.

Miss Bullene, Dec. 14,

Mrs. Stebbins, Dec. 11,

Mrs. Noyes, Dec. 3, 24,

Mrs. Raymond, Dec. 13,

Mrs. Taylor,

Mrs. Denison, Dec. 14,

Mrs. Lewis.

R. E. C. Stearns, Dec. & every day.

Dr. Ayres, Dec. 2, 27.

Dr. Newcomb, Dec. 16, 30,

Sam'l Hubbard, Dec. 6, 26,

C. C. Low, Dec. 3, 10, 27.*

Mr. Bacon,

Mr. Ames, Dec. 3, 10, 27.*

Capt. Scammon, Dec. 2, 14, 29,

Mr. Bolander, Dec. 14, 30

Mrs. Bridges, Dec. 17, 20.

We're Bound to Go.
(Time of Homeward Bound) R. J. Bush.

off toward the North with its mountains of snow

We're bound to go - bound to go!

Though the waves & billows roar

We're bound to go - bound to go!

We heed not the cold nor the arctic icy wall,

We dread not the bear, nor the "Rory boreal",

Then bundle on furs boys & let your whiskers grow,

We're bound to go - bound to go!

Our band is young & brave with a hero at its head, &c

To girdle round the world with electric wire thread, &c

Tho' we lack the wings of Puck & others of his race

Who would girdle round the world in a 40 minute space

But with stubborn steady work we accomplish it we know!

So we're bound to go - bound to go!

There are many lofty mountains, & craggy peaks to pass, &c

With wild & raging torrents as well as deep morass, &c

But when old rigid winter within his icy grasp

Shall forest lake & river, as ^{well as} people - clasp

Then perhaps we'll think of home, but whether so or no,

We're bound to go, boys-bound to go!

High amid the icy peaks our merry songs shall ring, &c

Of home friends & memories, our distant band shall sing, &c

Through dangers & hardships will force our weary way,
We stretch a chain from land to land across Ad Behr
ings Bay,
Then clear the way ye Polar Bears, ye monarchs of the
snow
For we are bound to go, boys - bound to go.

Farewell to feather beds, as well as cake & pie. Ye
Farewell to every thing that will miss by & by, Ye
Walrus meat is very good, I've often heard it said
When stewed upon a piece of ice & spread upon your bread,
But when our wire is firmly laid, our story you will
know
Till then we're bound to go - bound to go -



